

SAMSUNG

SYSTEM AIR CONDITIONER

INDOOR UNIT

DH052EZM1

DH070EZM

LH105EZM1

HH105EZM1

LH128EZM1

HH128EZM1

LH140EZM1

HH140EZM1

OUTDOOR UNIT

UH052EZMC

UH070EZMC

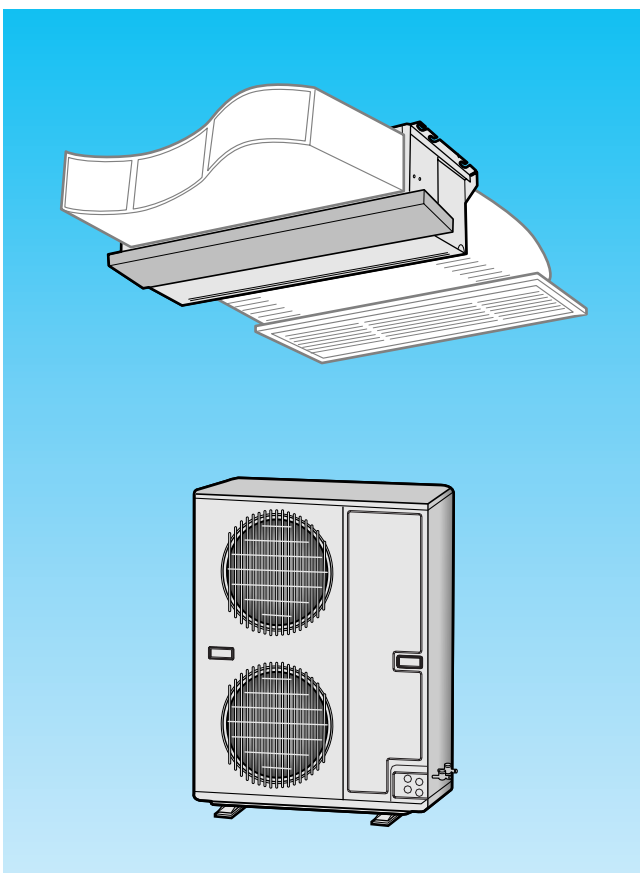
UH105GZMC

UH128GZMC

UH140GZMC

SERVICE Manual

AIR CONDITIONER



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1. Product Specifications

1-1 Table

MODEL	INDOOR UNIT		DH052EZM1 DH070EZM	HH105EZM1	HH128EZM1	HH140EZM1	
	OUTDOOR UNIT		UH052EZMC UH070EZMC	UH105GZMC	UH128GZMC	UH140GZMC	
Capacity	Cooling	BTU/h	23,900	34,000	43,700	47,800	
		W	7,000	10,000	12,800	14,000	
	Heating	BTU/h	26,300	38,200	47,800	54,600	
		W	7,700	11,200	14,000	16,000	
Power Supply		ø/V/Hz	1/220~240/50	3/380-415/50			
Power Input	Cooling		W	2,430	4,050	5,050	
Running Current	Heating		W	2,430	3,750	5,450	
	Cooling		A	12.0	7.1	8.6	
	Heating		A	12.0	6.7	9.2	
	Fan Speed	Turbo	r.p.m	1,050	1,080	1,070	1,070
Hi		r.p.m	950	950	1,020	1,020	
Mid		r.p.m	900	850	970	970	
Low		r.p.m	850	750	920	920	
Indoor Unit	Air Flow	Turbo	m³/min	19.5	37.46	38.71	38.71
		Hi	m³/min	17.5	32.24	37.82	37.82
		Mid	m³/min	16.5	26.61	36.38	36.38
		Low	m³/min	15.5	22.83	34.77	34.77
	Noise Level (Sound Pressure)	Hi	dB(A)	43	47	48	48
		Low	dB(A)	41	45	46	46
	Heat Exchanger	Type		D-Fin	Wave		
		Row x Stages x Fin pitch		2 x 10 x 1.7mm	3 x 14 x 1.7mm		
	Fan	Type		Sirocco			
		Motor Output	W	97	112.2	211	211
	Dimensions	H	mm	260	390	390	390
		W	mm	1,340	1,110	1,110	1,110
		D	mm	600	650	650	650
	Weight	Net/Gross	kg	41/47	66/77	66/77	66/77
Outdoor Unit	Fan Speed	Hi(C/H)	r.p.m	820	1,050/1,010	1,050/980	1,050/980
		Low	r.p.m	400	500	500	500
	Noise Level(Sound Pressure)		dB(A)	58	62	63	63
	Fan	Type		Propeller			
	Compressor	Type		Rotary	Scroll		
		Model		SHV33YC6-G	C-SB303H8A	C-SB373H8F	C-SB373H8F
		Motor Output	kW	7.1	11.6	15.0	15.0
		Protection		Internal			

Table(cont.)

MODEL	INDOOR UNIT			DH052EZM1 DH070EZM	HH105EZM1	HH128EZM1	HH140EZM1
	OUTDOOR UNIT			UH052EZMC UH070EZMC	UH105GZMC	UH128GZMC	UH140GZMC
Outdoor Unit	Refrigerant	Type		R22			
		Charge	g	2,100	2,400	4,150	4,150
		Adding Charge	g/m	30	45	50	50
		Control		Elec.Expansion Valve			
	Heat Exchanger	Type		Wave			
		Row x Stages x Fin pitch		2 x 24 x 1.5	2 x 36 x 1.7	2 x 44 x 1.7	2 x 44 x 1.7
	Dimensions	H	mm	638	931	1,128	1,128
		W	mm	880	880	932	932
		D	mm	310	320	375	375
	Weight	Net/Gross	kg	67/72	88/93	105/120	105/120
Piping	Pipe O.D Size	Liquid	mm(inch)	9.52(3/8")	9.52(3/8")		
		Gas	mm(inch)	15.88(5/8")	19.05(3/4")		
	Connection Method			Flare			
	Between	Height	m	Max.15	Max.30		
		Pipe Length	m	Max.30	Max.50		

Table(cont.)

MODEL	INDOOR UNIT			LH105EZM1	LH128EZM1	LH140EZM1
	OUTDOOR UNIT			UH105GZMC	UH128GZMC	UH140GZMC
Capacity	Cooling		BTU/h	34,000	43,700	47,800
			W	10,000	12,800	14,000
	Heating		BTU/h	38,200	47,800	54,600
			W	11,200	14,000	16,000
Power Supply			øV/Hz	3/380~415/50		
Power Input	Cooling		W	3,850	4,900	4,900
	Heating		W	3,600	5,400	5,400
Running Current	Cooling		A	6.75	8.4	8.4
	Heating		A	6.40	9.1	9.1
Indoor Unit	Fan Speed	Turbo(C/H)	r.p.m	790	900/950	900/950
		Hi	r.p.m	720	850/900	850/900
		Mid	r.p.m	650	800/850	800/850
		Low	r.p.m	580	750/800	750/800
	Air Flow	Turbo	m³/min	32.8	42.37	42.37
		Hi	m³/min	29.4	36.69	36.69
		Mid	m³/min	26.78	34.71	34.71
		Low	m³/min	24.38	32.62	32.62
	Noise Level (Sound Pressure)	Hi	dB(A)	39	40	40
		Low	dB(A)	7	38	38
	Heat Exchanger	Type		Wave		
		Row x Stages x Fin pitch		3 x 14 x 1.7mm		
	Fan	Type		Sirocco		
		Motor Output	W	112.2	211	211
	Dimensions	H	mm	390	390	390
		W	mm	1,110	1,110	1,110
		D	mm	650	650	650
	Weight	Net / Gross	kg	66/77	66/77	66/77
Outdoor Unit	Fan Speed	Hi(C/H)	r.p.m	1,050/1,010	1,050/980	1,050/980
		Low	r.p.m	500	500	500
	Noise Level(Sound Pressure)		dB(A)	62	63	63
	Fan	Type		Propeller		
	Compressor	Type		Scroll		
		Model		C-SB303H8A	C-SB373H8F	C-SB373H8F
		Motor Output	kW	11.6	15.0	15.0
		Protection		Internal		

Table(cont.)

MODEL	INDOOR UNIT			LH105EZM1	LH128EZM1	LH140EZM1
	OUTDOOR UNIT			UH105GZMC	UH128GZMC	UH140GZMC
Outdoor Unit	Refrigerant	Type		R22		
		Charge	g	2,400	4,150	4,150
		Adding Charge	g/m	45	50	50
		Control		Elec.Expansion Valve		
	Heat Exchanger	Type		Wave		
		Row x Stages x Fin pitch		2 x 36 x 1.7	2 x 44 x 1.7	2 x 44 x 1.7
	Dimensions	H	mm	931	1,128	1,128
		W	mm	880	932	932
		D	mm	320	375	375
	Weight	Net/Gross	kg	88/93	105/120	105/120
Piping	Pipe O.D Size	Liquid	mm(inch)	9.52(3/8")		
		Gas	mm(inch)	19.05(3/4")		
	Connection Method			Flare		
	Between	Height	m	Max.30		
		Pipe Length	m	Max.50		

■ This Spec. is for Australia

MODEL	INDOOR UNIT			HH105EZM1	HH128EZM1	HH140EZM1
	OUTDOOR UNIT			UH105GZMC	UH128GZMC	UH140GZMC
Capacity	Cooling		BTU/h	34,000	43,700	46,000
			W	10,000	12,800	13,500
	Heating		BTU/h	38,200	47,800	54,600
			W	11,200	14,000	16,000
Power Supply			øV/Hz	3/380-415/50		
Power Input	Cooling		W	4,050	5,300	5,300
	Heating		W	3,750	5,850	5,850
Running Current	Cooling		A	7.1	8.6	8.6
	Heating		A	6.7	9.4	9.4
Indoor Unit	Fan Speed	Turbo	r.p.m	1,080	1,070	1,070
		Hi	r.p.m	950	1,020	1,020
		Mid	r.p.m	850	970	970
		Low	r.p.m	750	920	920
	Air Flow	Turbo	m³/min	37.46	38.71	38.71
		Hi	m³/min	32.24	37.82	37.82
		Mid	m³/min	26.61	36.38	36.38
		Low	m³/min	22.83	34.77	34.77
	Noise Level (Sound Pressure)	Hi	dB(A)	47	48	48
		Low	dB(A)	45	46	46
	Heat Exchanger	Type		Wave		
		Row x Stages x Fin pitch		3 x 14 x 1.7mm		
	Fan	Type		Sirocco		
		Motor Output	W	112.2	211	211
	Dimensions	H	mm	390	390	390
		W	mm	1,110	1,110	1,110
		D	mm	650	650	650
	Weight	Net/Gross	kg	66/77	66/77	66/77
Outdoor Unit	Fan Speed	Hi(C/H)	r.p.m	1,050/1,010	1,050/980	1,050/980
		Low	r.p.m	500	500	500
	Noise Level(Sound Pressure)		dB(A)	62	63	63
	Fan	Type		Propeller		
	Compressor	Type		Scroll		
		Model		C-SB303H8A	C-SB373H8F	C-SB373H8F
		Motor Output	kW	11.6	15.0	15.0
		Protection		Internal		

■ This Spec. is for Australia(cont.)

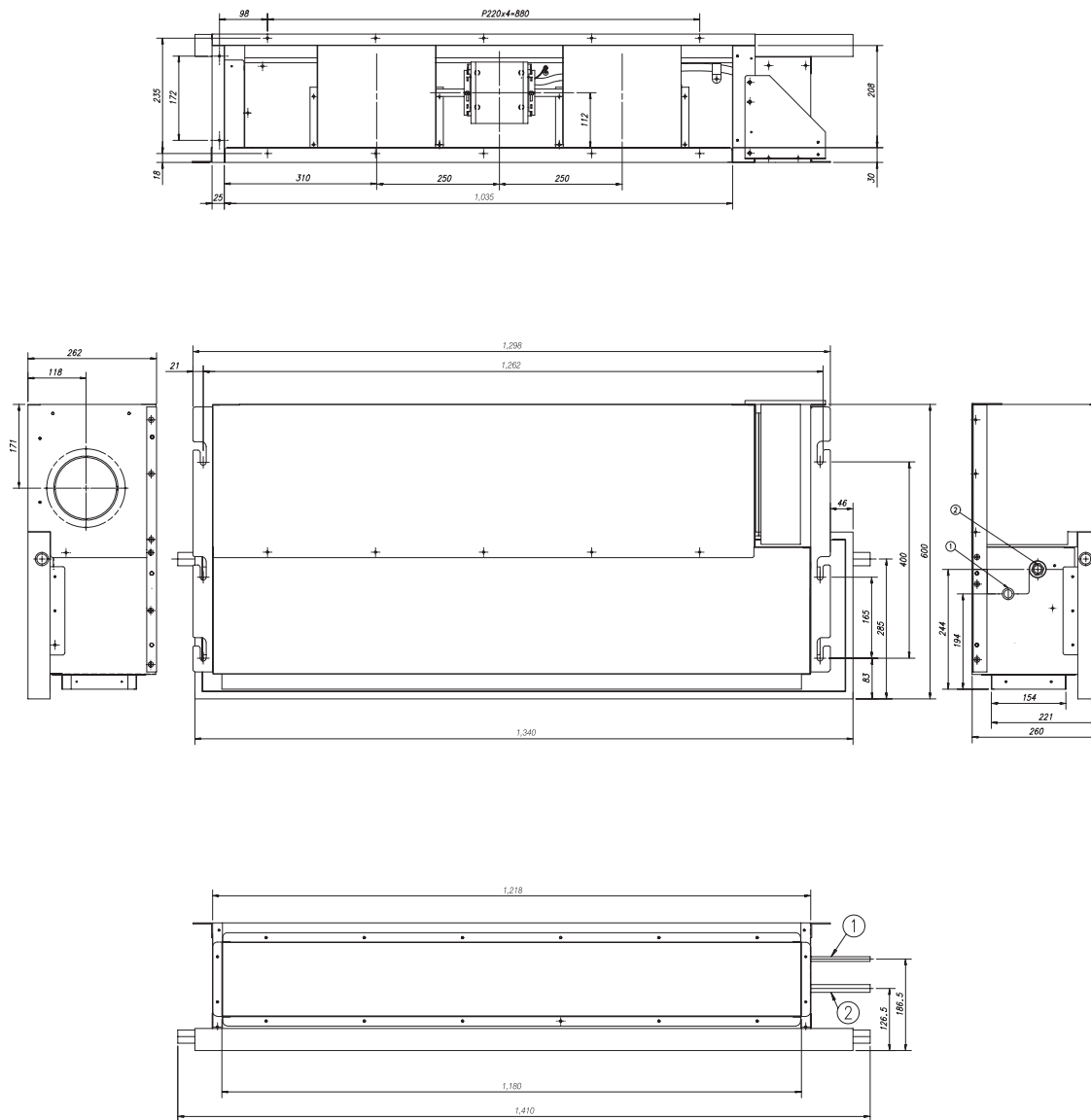
MODEL	INDOOR UNIT			HH105EZM1	HH128EZM1	HH140EZM1
	OUTDOOR UNIT			UH105GZMC	UH128GZMC	UH140GZMC
Outdoor Unit	Refrigerant	Type		R22		
		Charge	g	2,400	4,150	4,150
		Adding Charge	g/m	45	50	50
		Control		Elec.Expansion Valve		
	Heat Exchanger	Type		Wave		
		Row x Stages x Fin pitch		2 x 36 x 1.7	2 x 44 x 1.7	2 x 44 x 1.7
	Dimensions	H	mm	931	1,128	1,128
		W	mm	880	932	932
		D	mm	320	375	375
	Weight	Net/Gross	kg	88/93	105/120	105/120
Piping	Pipe O.D Size	Liquid	mm(inch)	9.52(3/8")		
		Gas	mm(inch)	19.05(3/4")		
	Connection Method			Flare		
	Between	Height	m	Max.30		
		Pipe Length	m	Max.50		

1-2 Dimensions

1-2-1 Indoor Unit

■ DH052EZM1 / DH070EZM

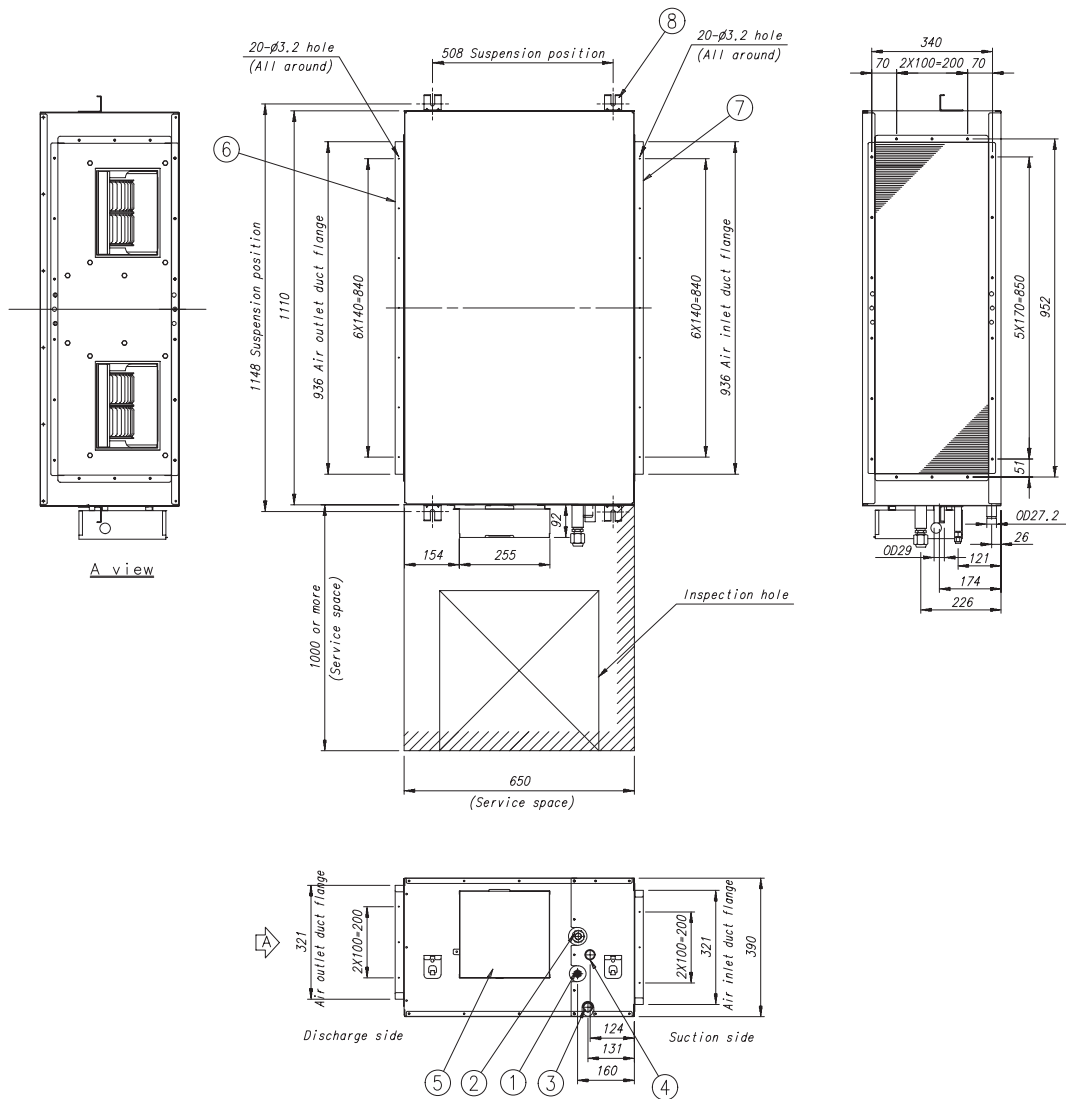
(Unit : mm)



No.	Name	Remark
1	Liquid pipe connection	ø9.52 Flare
2	Gas pipe connection	ø15.88 Flare

■ HH105EZM1/HH128EZM1/HH140EZM1/LH105EZM1/LH128EZM1/LH140EZM1

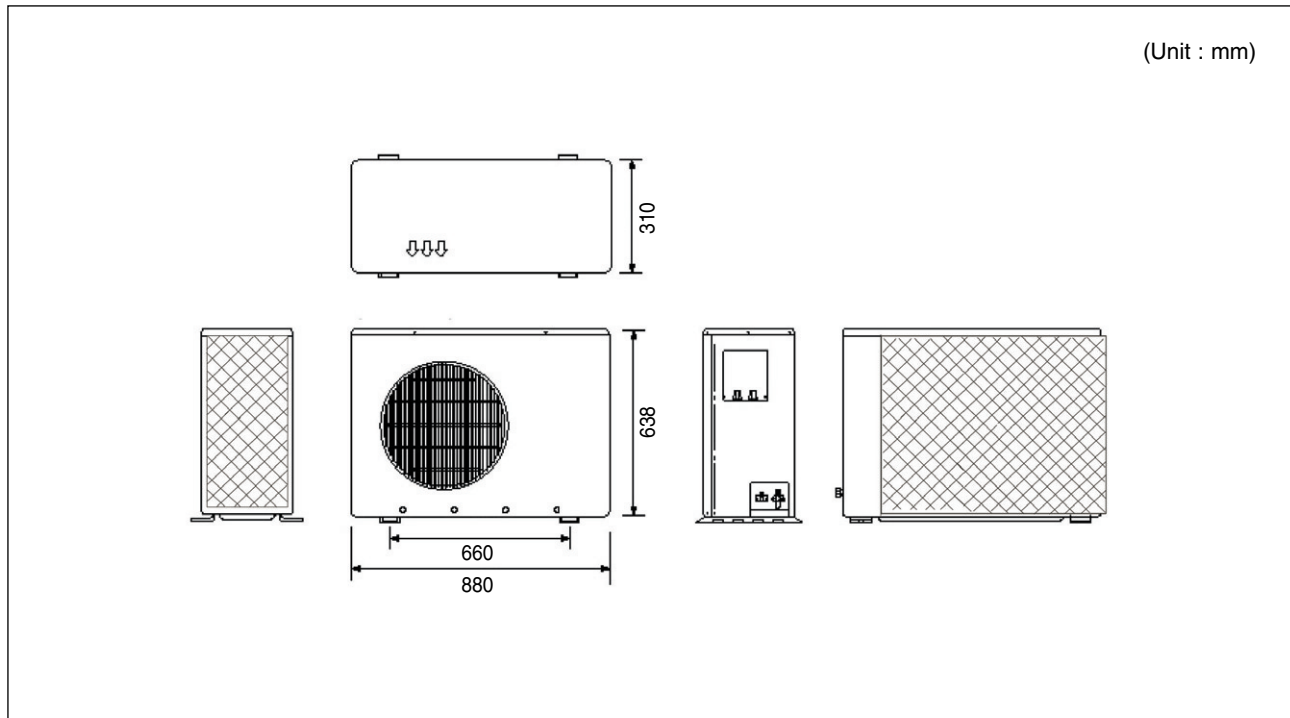
(Unit : mm)



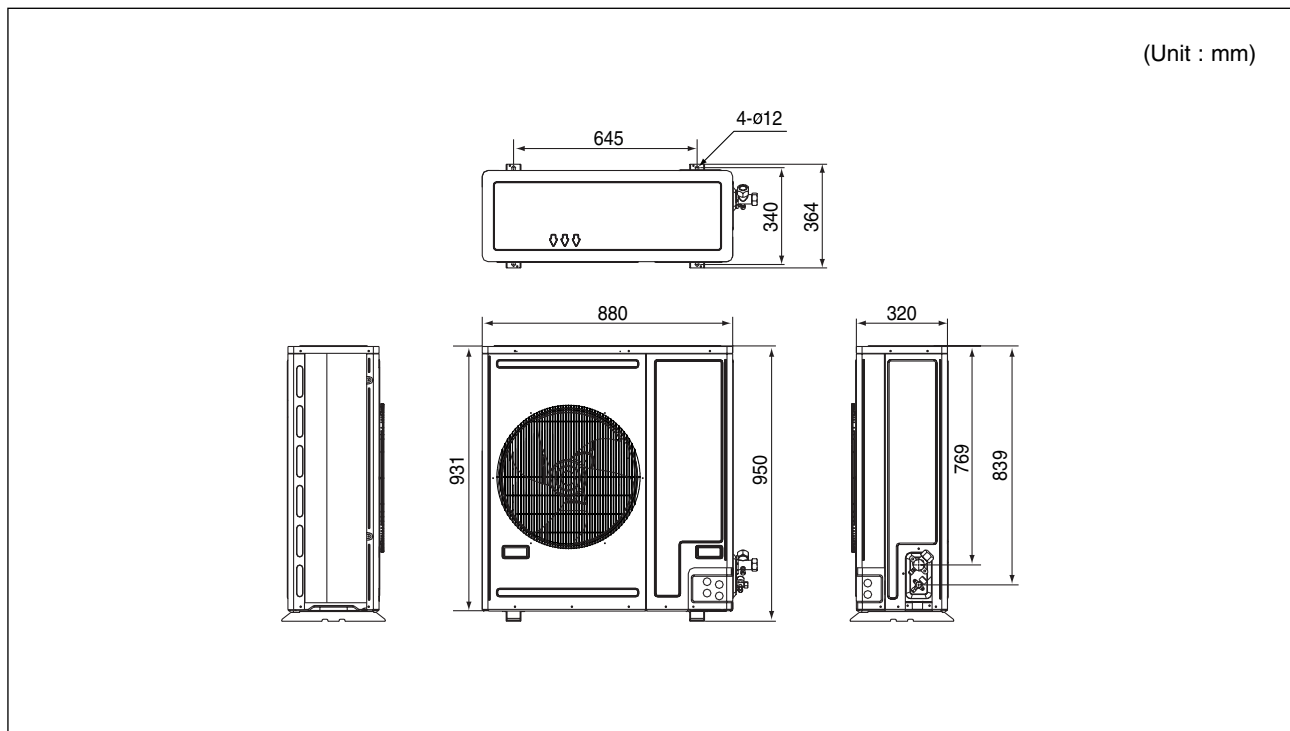
No.	Name	Remark
1	Liquid pipe connection	ϕ 9.52 Flare
2	Gas pipe connection	ϕ 19.05 Flare
3	Drain pipe connection	OD27.2 ID21.6 (without drain pump)
4	Drain pipe connection	OD29 ID25 (with drain pump)
5	Power supply connection	
6	Air discharge flange	
7	Air suction flange	
8	Hook	For M8-M10

1-2-2 Outdoor Unit

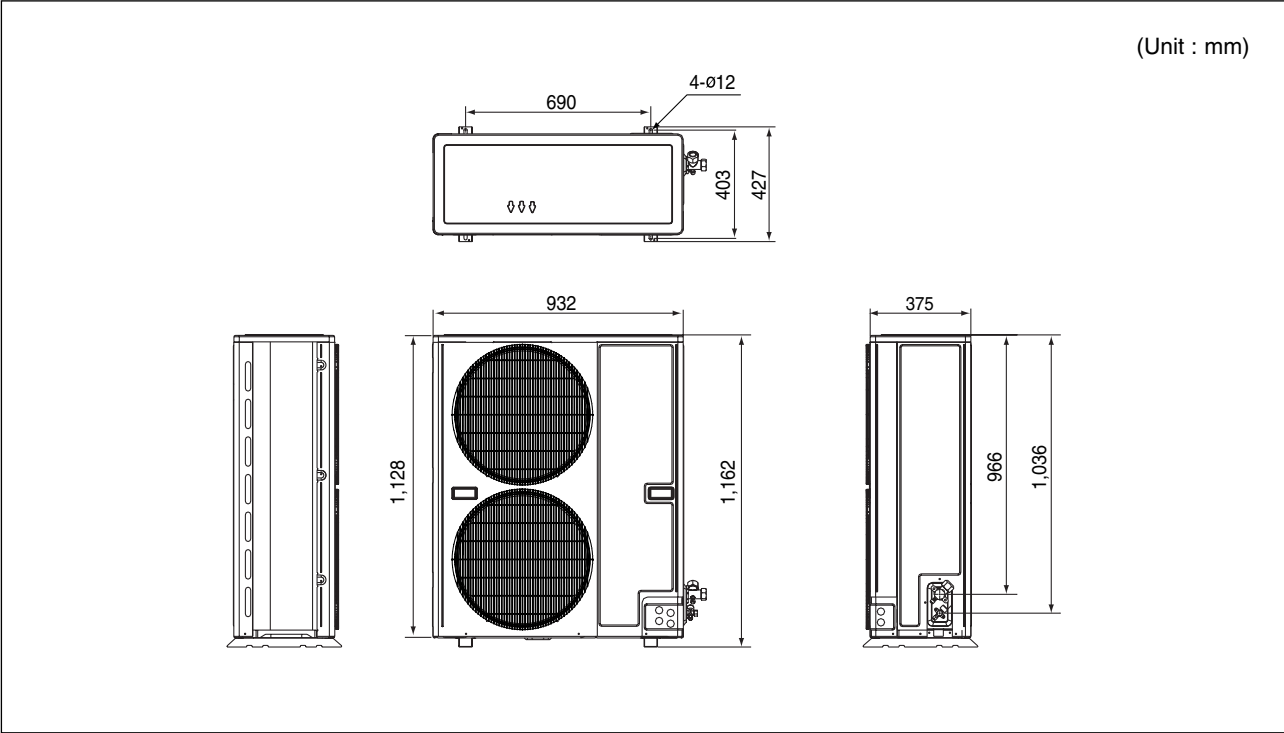
■ UH052EZMC / UH070EZMC



■ UH105GZMC

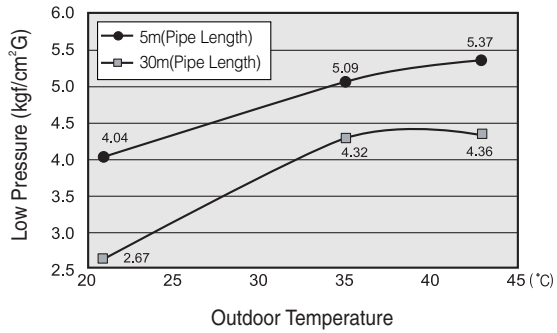


■ UH128GZMC/UH140GZMC

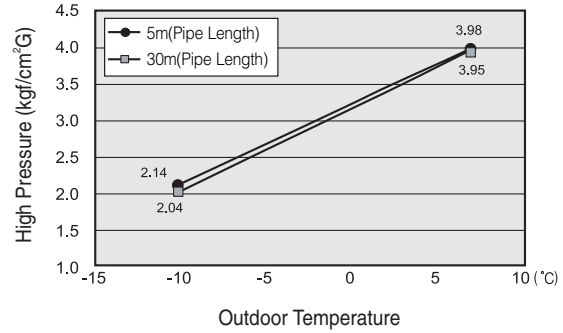


1-3 Pressure Graph

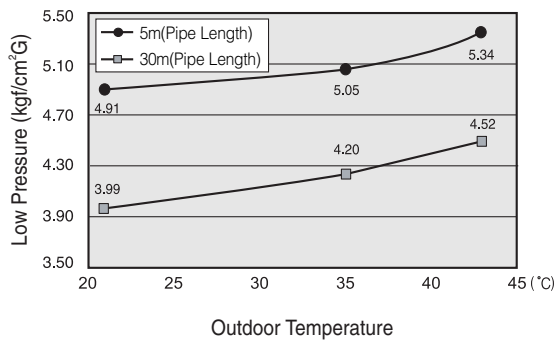
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UH070EZMC-DH070EZM (Cooling Mode)



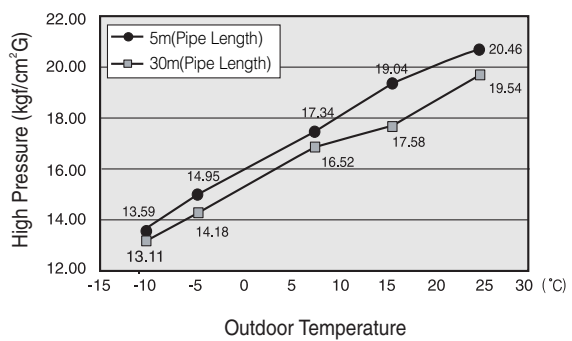
■ UH052EZMC-DH052EZM1
UH070EZMC-DH070EZM (Heating Mode)



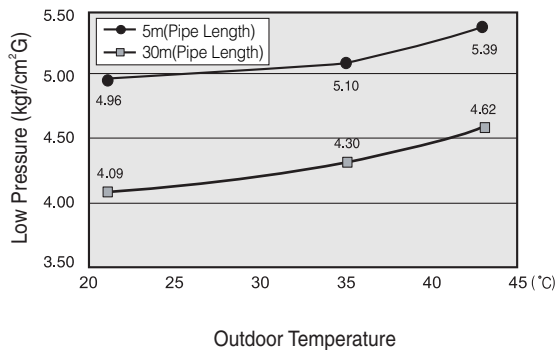
■ UH105GZMC-LH105EZM1(Cooling Mode)



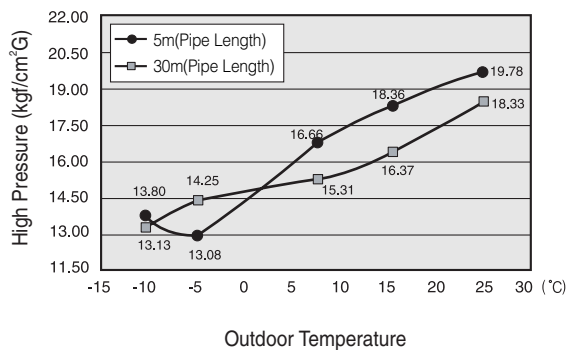
■ UH105GZMC-LH105EZM1(Heating Mode)



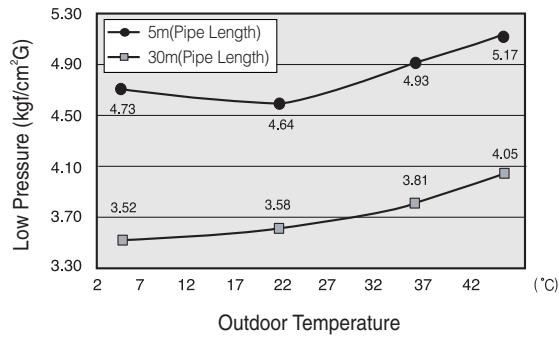
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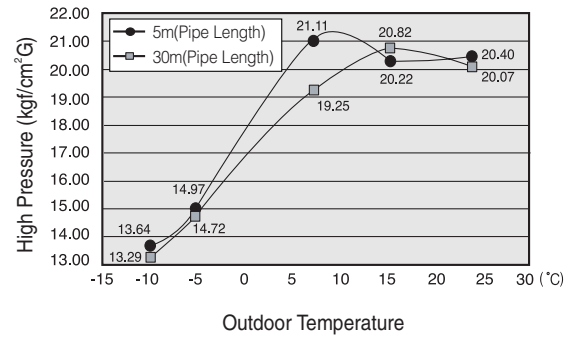
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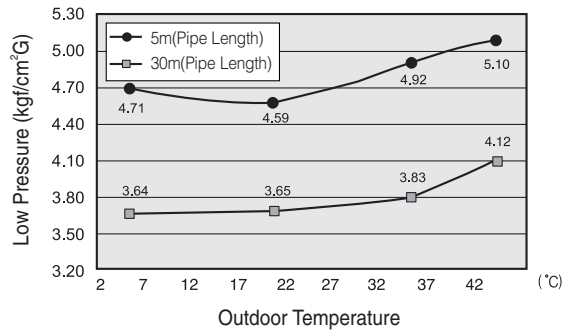
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UH140GZMC-LH140EZM1



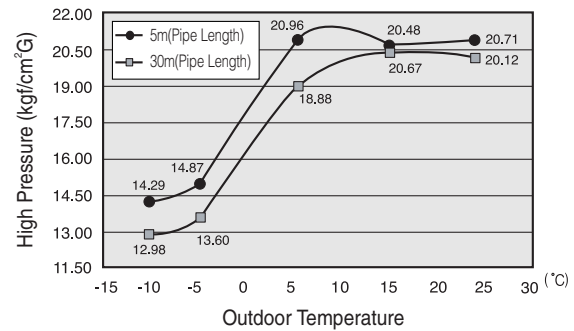
■ UH128GZMC-LH128EZM1 (Heating Mode)
UH140GZMC-LH140EZM1



■ UH128GZMC-HH128EZM1 (Cooling Mode)
UH140GZMC-HH140EZM1



■ UH128GZMC-HH128EZM1 (Heating Mode)
UH140GZMC-HH140EZM1

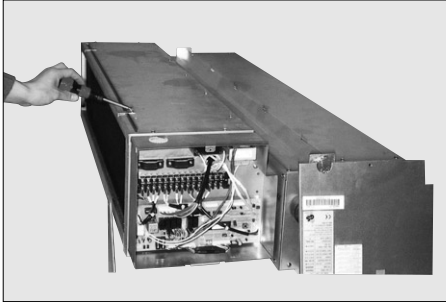
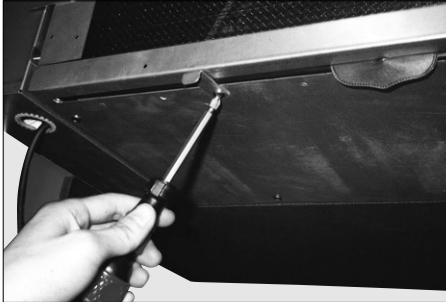


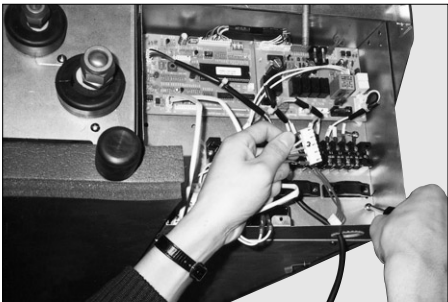
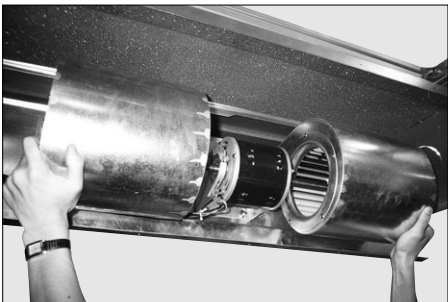
2. Disassembly and Reassembly

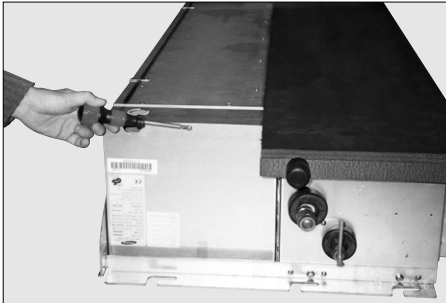
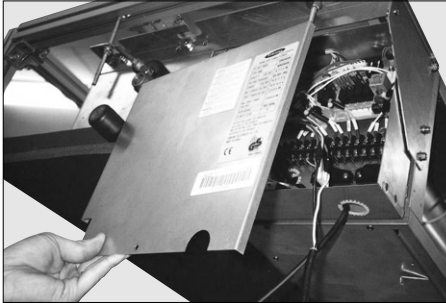
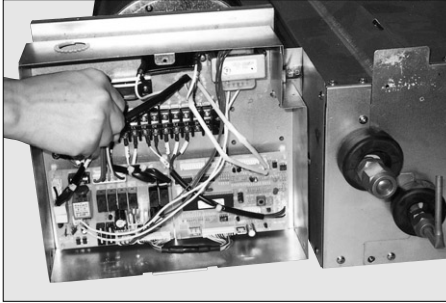
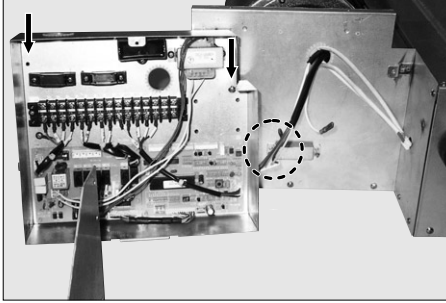
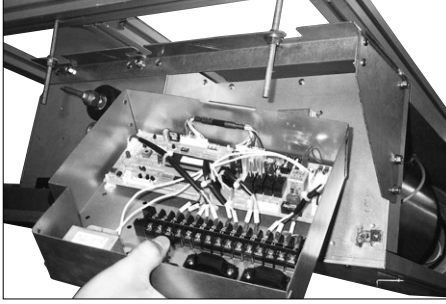
Stop operation of the air conditioner and remove the power cord before repairing the unit.

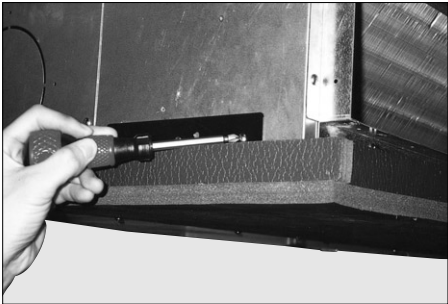
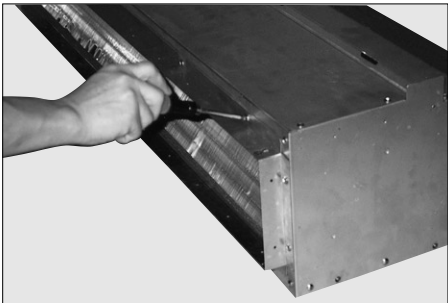
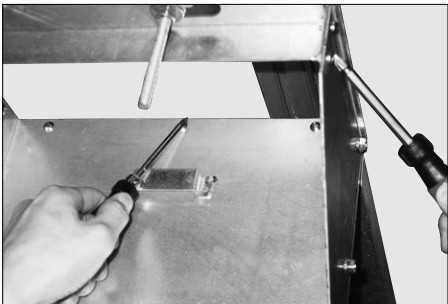
2-1 Indoor Unit

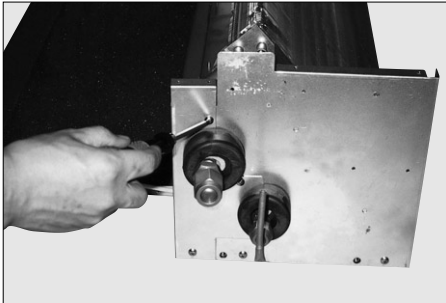
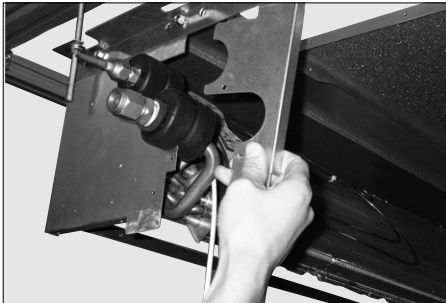
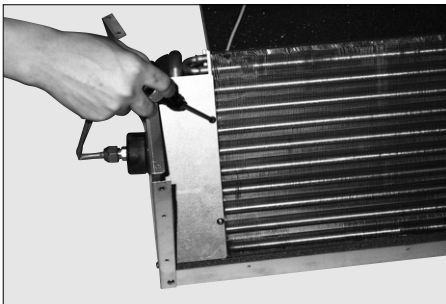
■ DH052EZM1 / DH070EZM

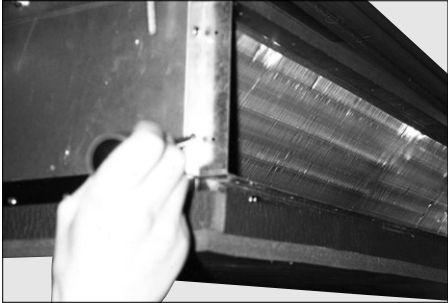
No	Parts	Procedure	Remark
1	Filter-Pre	1) Disassemble 2 screws of indication part and then assemble the direction of 2 Plate-Handle places by use of screw as shown in 2). 2) Turn the Plate Handle by hand when removing the Filter-Pre. 3) When pulling the Filter-Pre handle, the Filter-Pre can be assembled. * Be sure to remove the cushion on the  marked part after initial installation. (It cause the damage of noise).	  
2	Blower & Duct	1) After disassembling 9 places indicating screws, detach Ass'y Cover Bottom.	

No	Parts	Procedure	Remark
		2) Disassemble 6 indicating screws. 3) Detach the Sensor Holder from the Ass'y Fan Case. 4) Detach from Ass'y Control In the capacitor connection wire between the Motor-Fan in and housing Connector. 5) Detach the Ass'y Blower and Duct from the set.	    

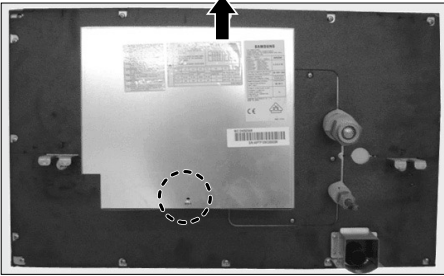
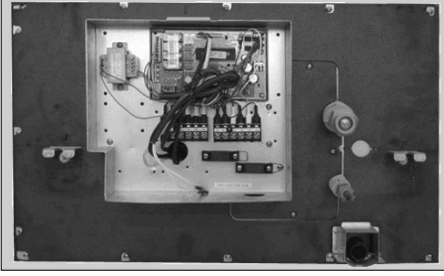
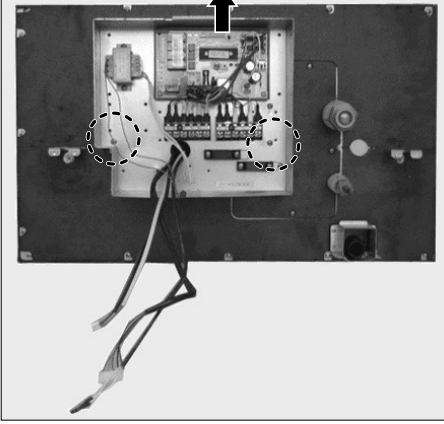
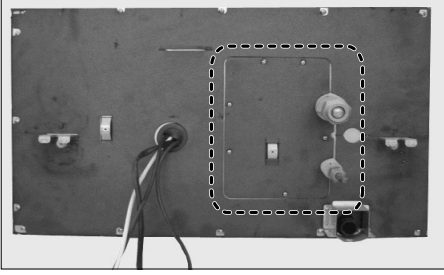
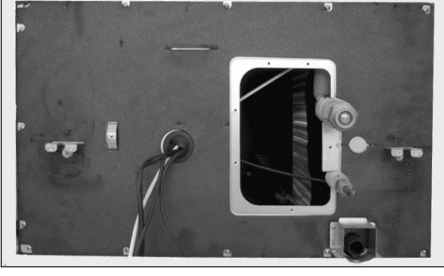
No	Parts	Procedure	Remark
3	Control In	1) After disassembling 1 indicating screw, detach the Cover-Control. 2) Detach the Motor-Fan in and Sensor Connector connected to PCB. 3) Disassemble 2 indicating screws. (arrow mark) 4) Hold the Ass'y Control In by hand to lift up a little and then release the status of hanging on the hanging slot.	    

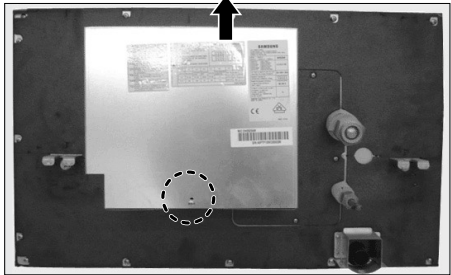
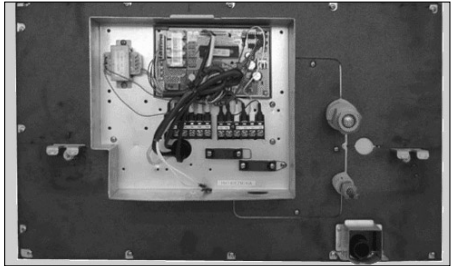
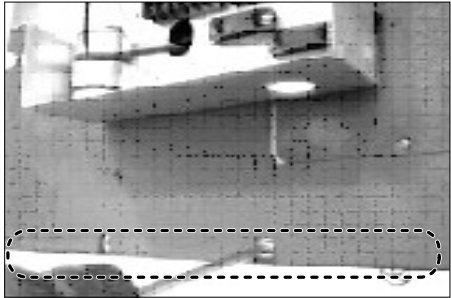
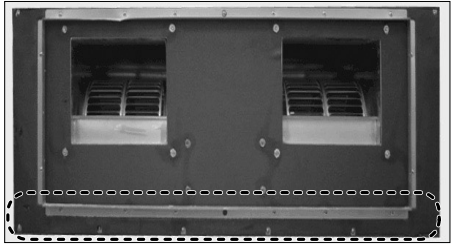
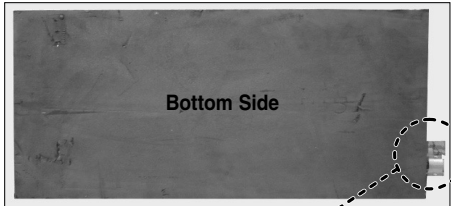
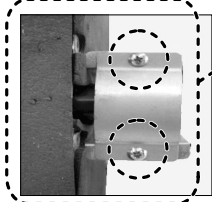
No	Parts	Procedure	Remark
4	Drain Pan	1) Disassemble 4 indicating screws to detach Ass'y Drain Pan. (2 screws each at left and right side)	 
5	EVAP	* Work is possible when disassembling the Ass'y Drain Pan. 1) Disassemble 8 indicating screws. (4 each at left and right side) 2) Disassemble 6 indicating screws. 3) Disassemble 5 indicating screws. * It is possible at the status of No.3 Ass'y Control In disassembly at the time.	  

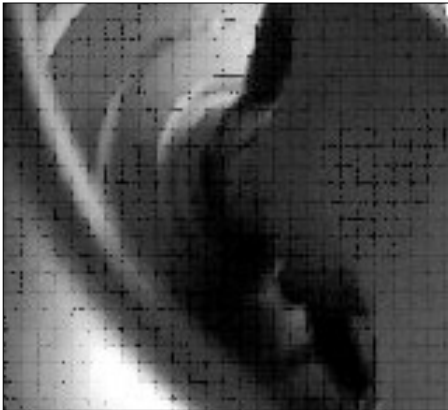
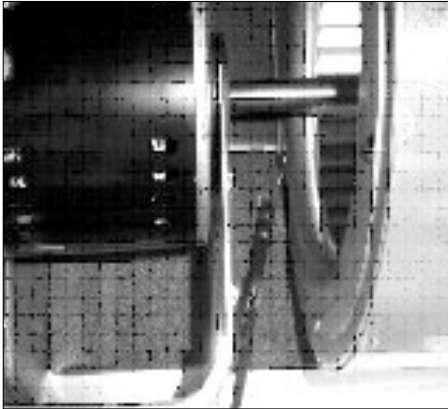
No	Parts	Procedure	Remark
		4) After disassembling 4 indicating screws.	
		5) Pull the Cabinet-Side LF, RH by hand to disassemble.	
		6) Separate 4 indicating screws. (2 each at left and right side)	
		7) Detach it from the set if the Ass'y-Evap pull up.	

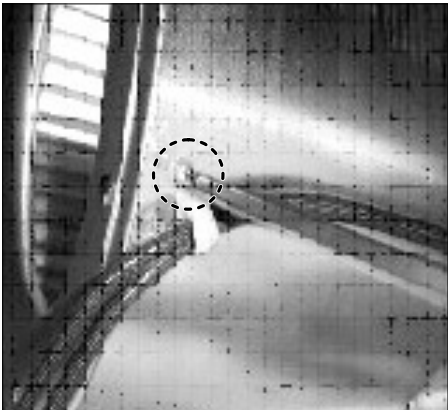
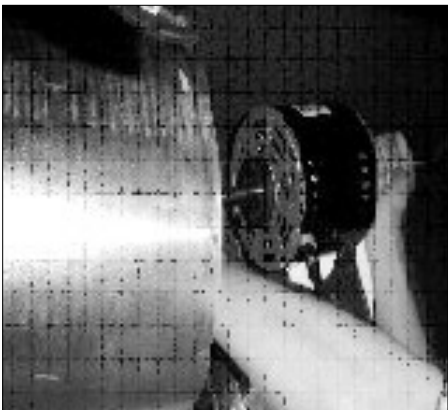
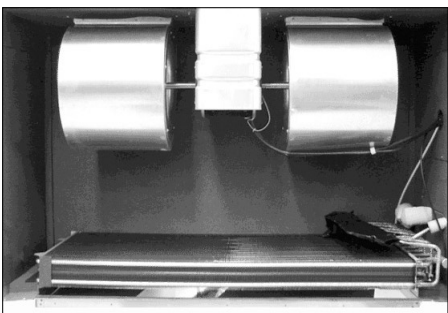
No	Parts	Procedure	Remark
6	Holder Outlet	※ When connecting canvas to the discharge side. 1) Disassemble 4 indicating screws. (2 each at left and right side) 2) Disassemble 12 indicating screws. (6 each at upper and lower side) ※ After connecting canvas to the disassembled Ass'y Holder Outlet 2), attach the Ass'y Holder Outlet to the set in the reverse order.	 

■ LH105EZM1 / LH128EZM1 / LH140EZM1 / HH105EZM1 / HH128EZM1 / HH140EZM1

No	Parts	Procedure	Remark
1	Control In/ Drain Pan (to clean)	1) Disassemble 1 screw of indicating part then lift up the cover to release from Ass'y Control In. 2) Detach the capacitor connection wire, the Motor-Fan in and housing connector from Ass'y Control In. 3) Disassemble 2 screws of indicating parts then lift up Ass'y Control In. 4) Disassemble 6 screws around indicating part then pull it. 5) You can check inside of the product if Drain part is something wrong.	    

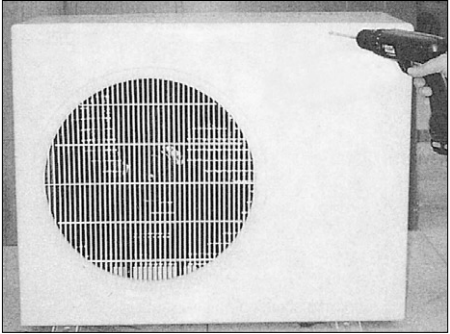
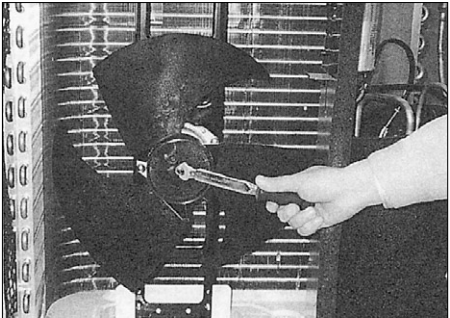
No	Parts	Procedure	Remark
2	Motor In & Blower & Evap	1) Disassemble 1 screw of indicating part then lift up the cover to release from Ass'y Control In. 2) Detach the capacitor connection wire, the Motor-Fan in and housing connector from Ass'y Control In. 3) Disassemble all screws of bottom part. ⚠ Disassemble 2 screws which are located Drain Hole part.	     

No	Parts	Procedure	Remark
		4) Detach the Cabinet Base. ⚠ It needs 2 people. 5) Disassemble the Bracket Motor and Earth Wire. 6) Release the nut of Blower. 7) Disassemble Base-Blower bolts.	   

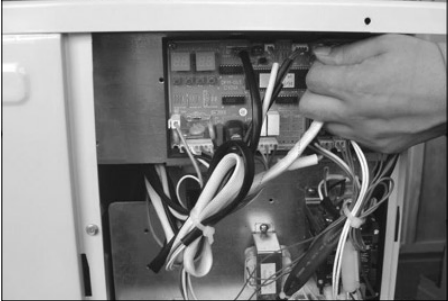
No	Parts	Procedure	Remark
		8) Disassemble One of 2 Blowers. 9) Disassemble the Wire Clamp. 10) Disassemble the Motor. 11) If you did 1) ~ 4), you can see inside of the product like the picture(right). You can clean the Evap.	   

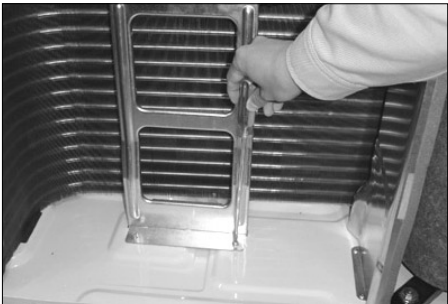
2-2 Outdoor Unit

■ UH052EZMC / UH070EZMC

No	Parts	Procedure	Remark
1	Cabinet	1) Turn off the unit and remove the power cable. 2) Remove the Top Cover. 3) Remove the Control Box Cover. 4) Unplug the Ass'y Cable. 5) Remove the Cabi-Side. 6) Remove the Cabi-Front. * When you assemble the parts, check if the each parts and electric connectors are fixed firmly.	
2	Fan Motor & Propeller Fan	1) Remove the Nut Flange. (Turn to the clockwise) 2) Disassemble the Propeller Fan.	

■ UH105GZMC

No	Parts	Procedure	Remark
1	Outdoor Unit Disassembly Procedure	1) Loosen the 8 screws fixing the Cover Side. 2) Loosen the screws and push the Cover Side in the arrow direction for disassembly. 3) Disconnect the PCB connector and disassembly the Electronic Box and PCB.	  

No	Parts	Procedure	Remark
		4) Disassemble the Cover Top and Front. 5) Loosen the bolt to disassemble the Fan.	
		6) Loosen the Motor fixing nut.	
		7) Loosen the Bracket fixing screw.	

■ UH128GZMC / UH140GZMC

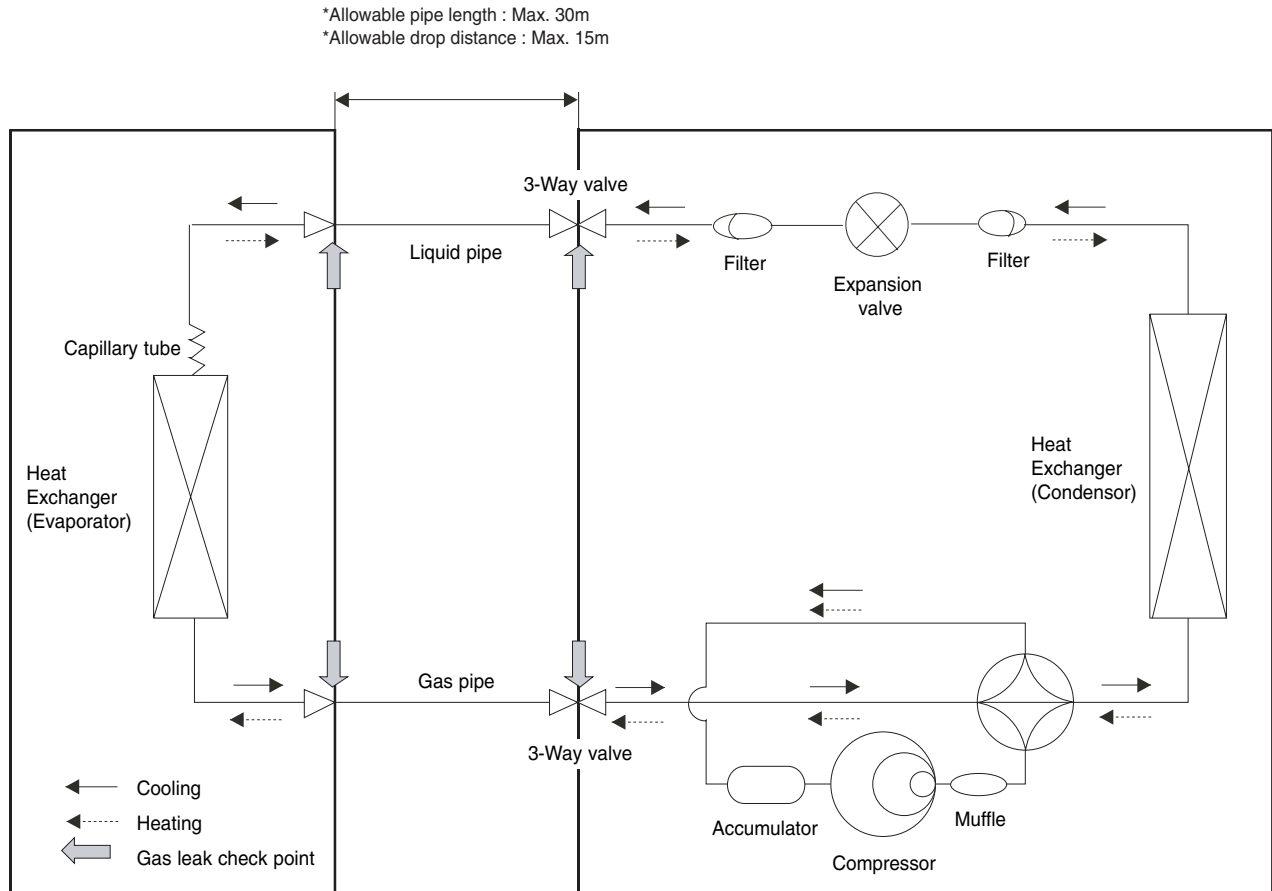
No	Parts	Procedure	Remark
1	Cabinet	1) Turn off the equipment and disassemble the power cable. 2) Uncover the Top Cover. 3) Uncover the Control Box Cover. 4) Pull out the assemble Cable. 5) Disassemble the Cabinet Side. 6) Disassemble the Cabinet Front. ※ Check if each part is fixed to the electric connector firmly at the time of part assembly.	
2	Fan Motor & Propeller Fan	1) Loosen the Propeller Fan Bolt. 2) Disassemble the Fan.	

3. Refrigerating Cycle Diagram

■ DH052EZM1-UH052EZMC, DH070EZM - UH070EZMC

Indoor Unit (DH052EZM1, DH070EZM)

Outdoor Unit (UH052EZMC, UH070EZMC)

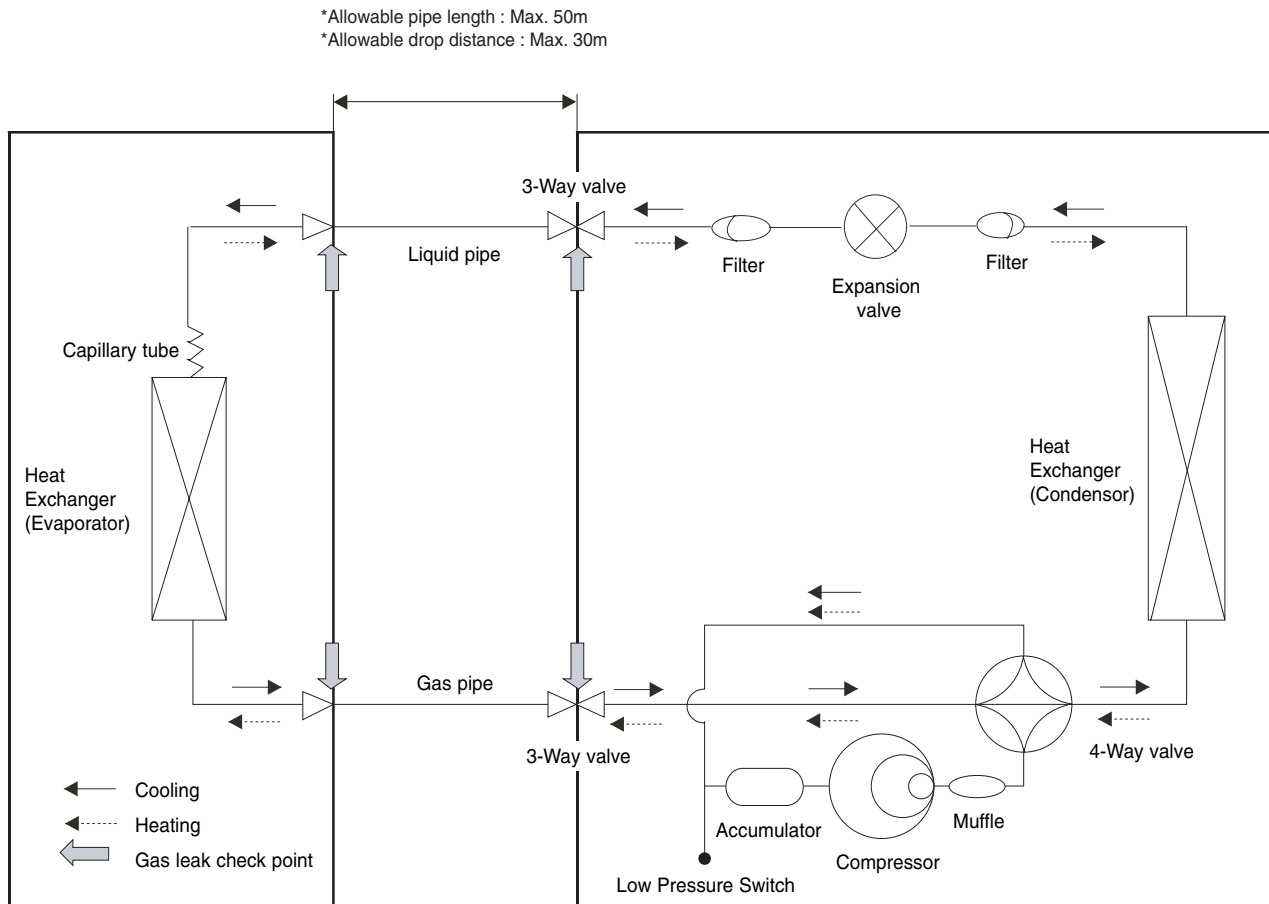


* Amount of refilling per extension length of 1m; When extending the pipe length by more than 5m, 30gr of R22; refrigerant should be refilled per extension length of 1m.

■ LH105EZM1 / HH105EZM1 - UH105GZMC

Indoor Unit (LH105EZM1, HH105EZM1)

Outdoor Unit (UH105GZMC)

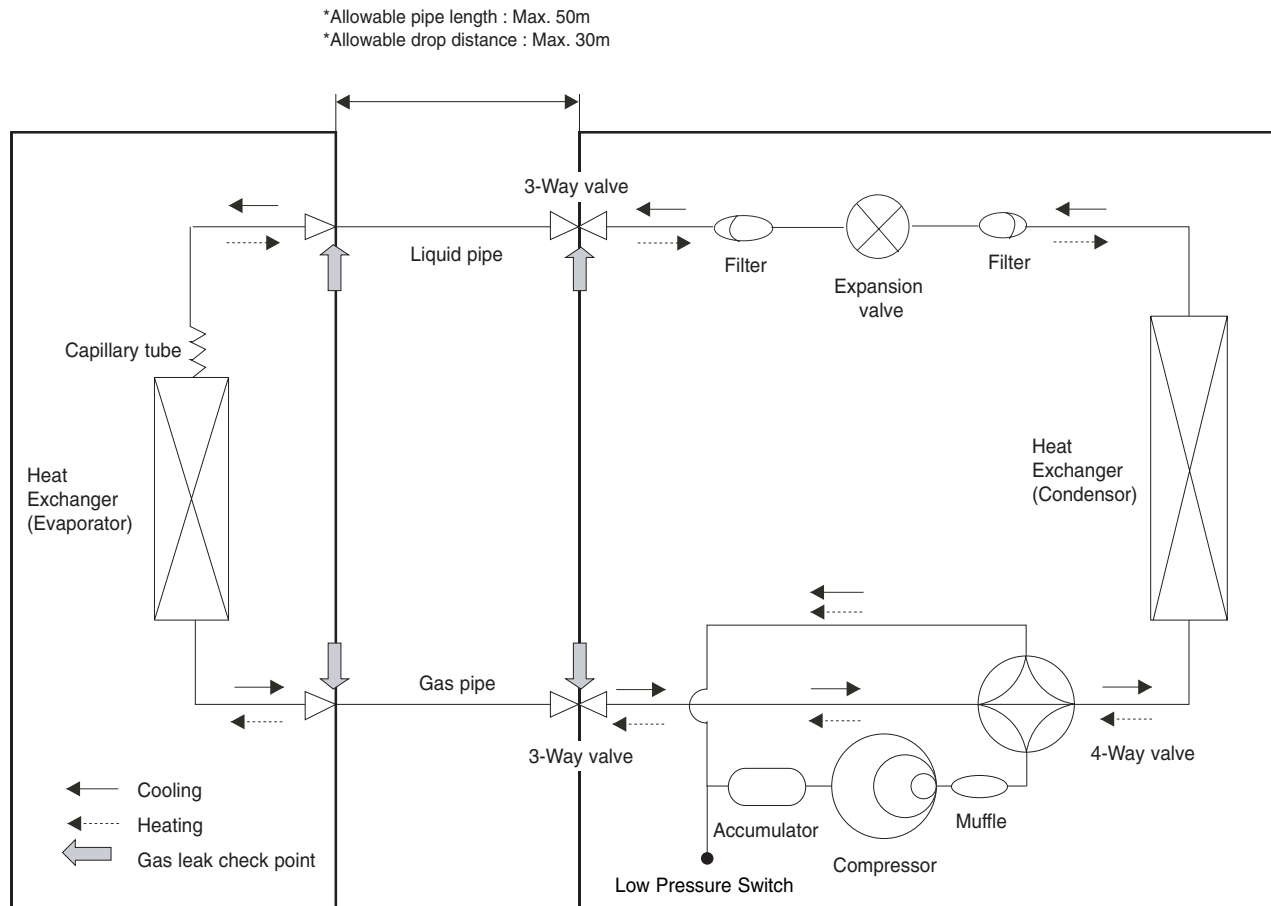


* Amount of refilling per extension length of 1m; When extending the pipe length by more than 5m, 45gr of R22; refrigerant should be refilled per extension length of 1m.

■ LH128EZM1 / HH128EZM1 - UH128GZMC, LH140EZM1 / HH140EZM1 - UH140GZMC

Indoor Unit (128EZM1, **140EZM1)**

Outdoor Unit (UH128GZMC, UH140GZMC)



* Amount of refilling per extension length of 1m; When extending the pipe length by more than 5m, 50gr of R22; refrigerant should be refilled per extension length of 1m.

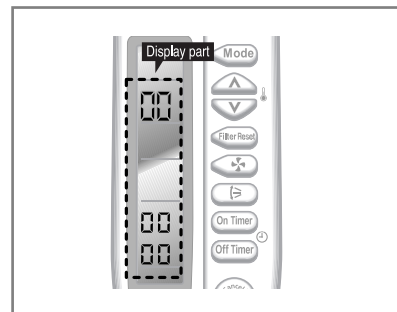
4. Set Up the Model Option

4-1 Setting Option Setup Method

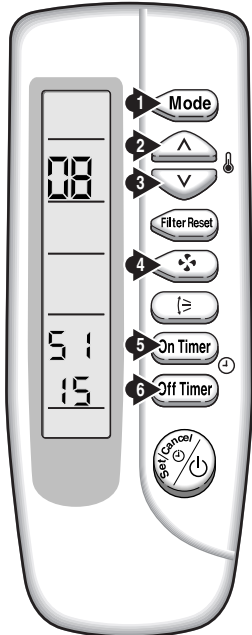
ex) Option No. : 005115-12340

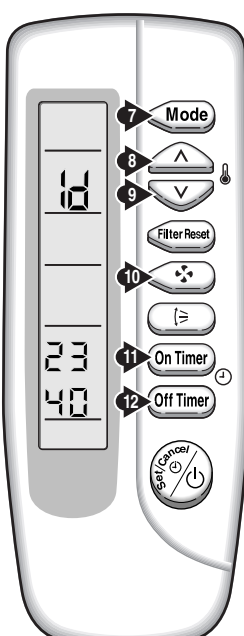
Step 1 : Enter the Option Setup mode.

- 1st Take out the batteries of remote control.
- 2nd Press the temp.  button simultaneously and insert the battery again.
- 3rd Make sure the remote control display shown as .



Step 2 : Enter the Option Setup mode and select your option according to the following procedure.

 * Setting is not required if you must  a value which has a  default.	1 The default value is  . Otherwise, push the  button to  . Every time you push the button, the display panel reads  or  repeatedly.
	2 Push the  button to set the display panel to  . Every time you push the button, the display panel reads  →  →  →  →  →  → → → → repeatedly.
	3 Push the  button to set the display panel to  . Every time you push the button, the display panel reads  →  →  →  →  →  → → → → repeatedly.
	4 Push the  button to set the display panel to  . Every time you push the button, the display panel reads  →  →  →  →  →  → → → → repeatedly.
	5 Push the  button to set the display panel to  . Every time you push the button, the display panel reads  →  →  →  →  →  → → → → repeatedly.
	6 Push the  button to set the display panel to  . Every time you push the button, the display panel reads  →  →  →  →  →  → → → → repeatedly.



7 Press button, then the default value is .

8 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → ... → → → → → → → repeatedly.

9 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → ... → → → → → → → repeatedly.

10 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → ... → → → → → → → repeatedly.

11 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → ... → → → → → → → repeatedly.

12 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → ... → → → → → → → repeatedly.

* Setting is not required if you must a value which has a default.

Step 3 : Upon completion of the selection, check you made right selections.

Press the Mode Selection key, to set the display part to and check the display part.

→ The display part shows .

Press the Mode Selection key, to set the display part to and check the display part.

→ The display part shows .

Step 4 : Pressing the ON/OFF button ()

When pressing the operation ON/OFF key with the direction of remote control for unit, the sound "Ding" or "Diriring" is heard and the OPERATION ICON() lamp of the display is flickering at the same time, then the input of option is completed. (If the diriring sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote control.

Second, Re-insert the battery into the remote control.

Third, Press ON/OFF button() with the direction of remote control for set.

• Error Mode

1st If all lamps of indoor unit are flickering, Plug out, plug in power plug again and press ON/OFF key to retry.

2nd If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for its model.

■ OPTION ITEMS

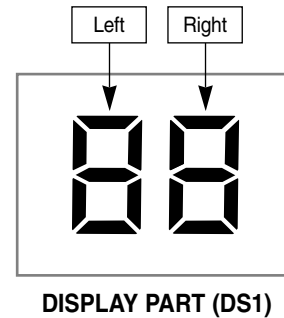
REMOTE CONTROL MODEL	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
DH052EZM1 DH070EZM	0	1	5	4	4	2	1	c	0	0	0	0
LH105EZM1	0	1	5	4	4	2	1	F	0	0	0	0
HH105EZM1	0	1	5	4	0	2	1	F	0	0	0	0
LH128EZM1 LH140EZM1 HH128EZM1 HH140EZM1	0	1	5	c	4	2	1	3	0	0	0	0

5. Control Specification & Troubleshooting

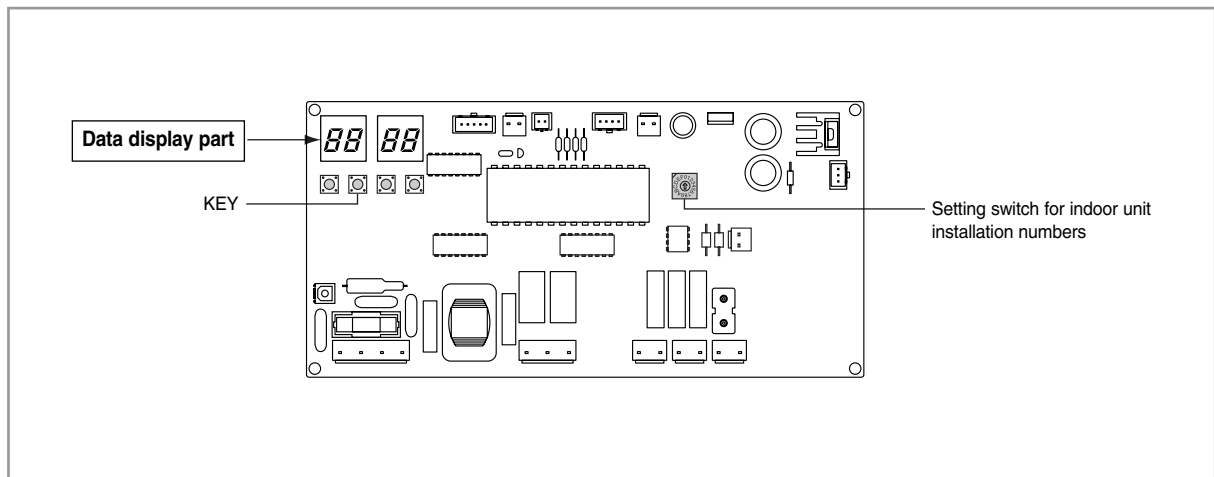
5-1 Operation Specification

5-1-1 Tracking process marked on display part

- Left numeral is an address that outdoor unit transfers communication.
□ - 1 - 2 - 3 ... - F (Calling indoor unit)
- Right numeral marks address that is answered.
- During the tracking, left calls indoor unit through
□ - 1 - 2 - 3 ... - d - E - F and checks. At this time
connected indoor unit set on "□" and the indoor unit set □ address
marked on right.
Right side mark is marked by □ when left side is □.
(If SW02(MAIN) that set indoor unit address is controlled to "□",
indoor unit number marked on outdoor unit is marked by "□".)



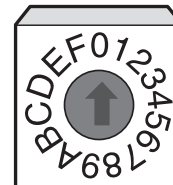
5-1-2 Option set part for Outdoor unit PCB



Setting switch for indoor unit installation numbers

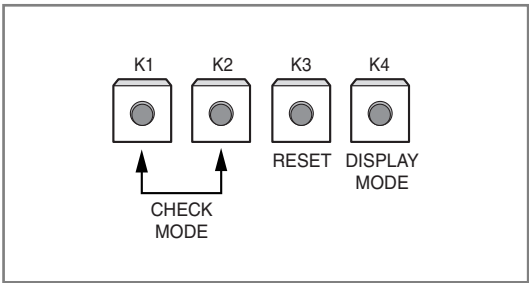
Counts of Indoor Unit Installation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Numbers of the switch	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

- Example : When the installed indoor unit is one, control the arrow of switch forward to '0' or '1' as figure.

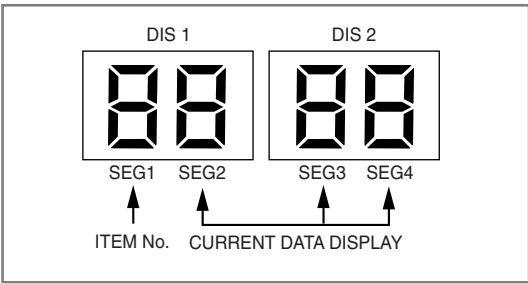


5-1-3 Setting Up Option Switches

KEY



Display



Summary of KEY functions

Function Number of press times	K1 (Displayed on SEG 3, 4)	K2 (Displayed on SEG 3, 4)	K3 (Displayed on SEG 3, 4)	K4 (Displayed on SEG 3, 4)
1	Adding refrigerant at heating mode	Adding refrigerant at cooling mode	Reset	Displays data
2	Test operation at heating mode	Test operation at cooling mode	-	-
3	End	Pump Down for recovery of refrigerant	-	-
4	-	End	-	-

* Use the K1 only for heat pump models.

5-2 Troubleshooting

5-2-1 Wired remote controller display error occurring

- If an error occurs,  is displayed on the wired remote controller.
If you would like to see an error code, press the Test button.

Display	Description	Remarks
416	Compressor down due to protection control of the discharge temperature sensor	Error about protection control of the outdoor unit
450	Control due to the condenser temperature sensor when cooling mode	
451	Error of the low pressure switch (Protection control)	
425	Reverse phase error (Protection control)	
551	In removing frost	
221	Error of the outdoor temperature sensor (Open/Short)	Error about the outdoor unit sensor (Open/Short) Detection during the operation of the indoor unit (sensing and sending errors into the communication data)
230	Error of condensor temperature sensor (Open/Short)	
251	Error of discharge temperature sensor (Open/Short)	
201	- System down caused by communication error after completion of tracking - Mismatching of the indoor unit numbers set with those communication after completion of 5 times tracking	Communication and the indoor unit errors
121	Error of temperature sensor in the indoor unit (Open/Short)	Self-diagnosis of the indoor and outdoor unit
122	Error of the heat exchanger sensor in the indoor unit (Open/Short)	
419	Error of electronic expansion valve open in the outdoor unit (when it is detected more than once)	
422	Error of electronic expansion valve close in the outdoor unit (when it is detected more than once)	
601	Error of communication between the indoor unit and the wired remote controller	Wired remote controller errors
602	Master wired remote controller ↔ Slave wired remote controller	
606	COM1/COM2 Cross-installed error	
8EA	Error of setting option for wired remote controller COM2	

5-2-2 LED Display on the receiver & display unit

- If an error occurs during the operation, an LED flickers and the operation is stopped except the LED.
- If you re-operate the air conditioner, it operates normally at first, then detect an error again.
- If you turn off the air conditioner when the LED is flickering, the LED is also turned off.

■ LED Display

Error type	LED lamp display					Remarks
	Concealed Type					
	Blue	Red				
	Standard Type					
Power reset	●	×	×	×	×	
Error of temperature sensor in the indoor unit (Open/Short)	×	×	●	×	×	
Error of heat exchanger sensor in the indoor unit	●	×	●	×	×	
Error of the outdoor temperature sensor Error of the condensor temperature sensor Error of the discharge temperature sensor	●	×	×	●	×	
1. No communication for 2 minutes between indoor units (Communication error for more than 2 minutes) 2. Indoor unit receiving the communication error from outdoor unit 3. Outdoor unit tracking 3 minutes error 4. When sending the communication error from outdoor unit, the mismatching of the communication numbers and installed numbers after completion of tracking. (Communication error for more than 2 minutes)	×	×	●	●	×	1. Indoor unit error (Display is unrelated with operation) 2. Outdoor unit error (Display is unrelated with operation)
Communication error between indoor units	●	×	×	×	●	
1. Error of electronic expansion valve close 2. Error of electronic expansion valve open 3. 2'nd detection of high temperature cond 4. 2'nd detection of high temperature discharge 5. Error of reverse phase 6. Compressor down due to 6'th detection of freezing	×	×	●	●	●	
Detection of the float switch	×	×	×	●	●	
Error of setting option switches for optional accessories	×	×	●	×	●	
EEPROM error	●	×	●	●	×	
EEPROM option error	●	●	●	●	●	

● : On ● : Flickering × : Off

5-2-3 Outdoor Unit

If an error occurs during the operation, it is displayed on the outdoor unit PCB.

Display	Explanation	Remark
$E_r \leftrightarrow P0$	High temperature of Discharge (Protection control)	Error about protection control of outdoor unit
$E_r \leftrightarrow P1$	High temperature of outdoor heat exchanger (Protection control)	
$E_r \leftrightarrow P4$	Reverse phase error (Protection control)	
$E_r \leftrightarrow P5$	COMP DOWN to protect being frozen	
$E_r \leftrightarrow P9$	In removing frost	
$E_r \leftrightarrow t1$	Error of OUT TEMP sensor (OPEN/SHORT)	Errors about outdoor unit sensor (OPEN/SHORT) Detection during the operation of indoor unit (Sensing and sending errors into the communication data)
$E_r \leftrightarrow t2$	Error of temperature sensor in outdoor heat exchanger (OPEN/SHORT)	
$E_r \leftrightarrow t3$	Error of Discharge TEMP sensor (OPEN/SHORT)	
$E_r \leftrightarrow E1$	System Down caused by communication error after completion of tracking	Communication and indoor unit errors
$E_r \leftrightarrow E2$	Mismatching of the indoor unit numbers set with those communicated after completion of tracking	
$E_r \leftrightarrow E3$	Error of float switch in indoor unit	Self-diagnosis of indoor and outdoor unit (x:indoor unit address)
$E_r \leftrightarrow E5$	Error of setting option switches for optional accessories	
$E_r \leftrightarrow 9x$	OPEN/SHORT error of room sensor in indoor unit	
$E_r \leftrightarrow rx$	OPEN/SHORT error of eva in sensor in indoor unit	
$E_r \leftrightarrow Ux$	EEPROM option error	Displays of operating status
$E_r \leftrightarrow ux$	Error of fan starting	
$E_r \leftrightarrow G4$	Open error of electronic expansion valve in outdoor unit (Detected once or more times)	
$E_r \leftrightarrow G5$	Close error of electronic expansion valve in outdoor unit (Detected once or more times)	
tU Flicker	Below -5°C when cooling (Outdoor temperature)	
tO Flicker	Over 30°C when heating (Outdoor temperature)	
K1, K2, K3, K4, K5 Flicker		

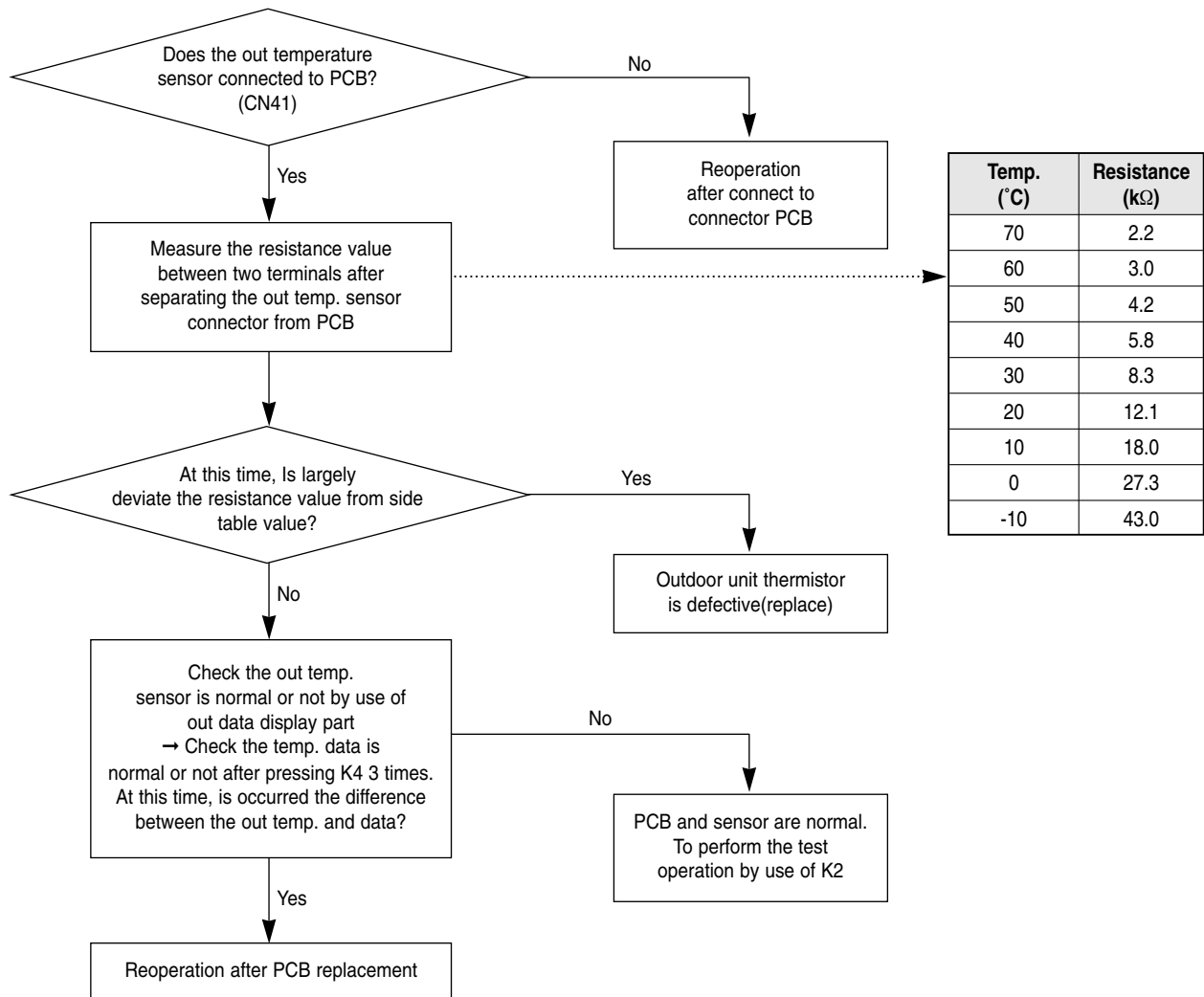
The order of priority : $E1 \rightarrow E2 \rightarrow E3 \rightarrow E5 \rightarrow P0 \rightarrow P1 \rightarrow P4 \rightarrow P5 \rightarrow P9 \rightarrow t1 \rightarrow t2 \rightarrow t3 \rightarrow tu \rightarrow to \rightarrow G4 \rightarrow G5 \rightarrow E3 \rightarrow qx \rightarrow rx \rightarrow vx \rightarrow K1, K2, K3, K4, K5$

- In case that the same error displays from multi-indoor units, the one having the faster address has the priority.

5-3 Sequence for trouble diagnosis

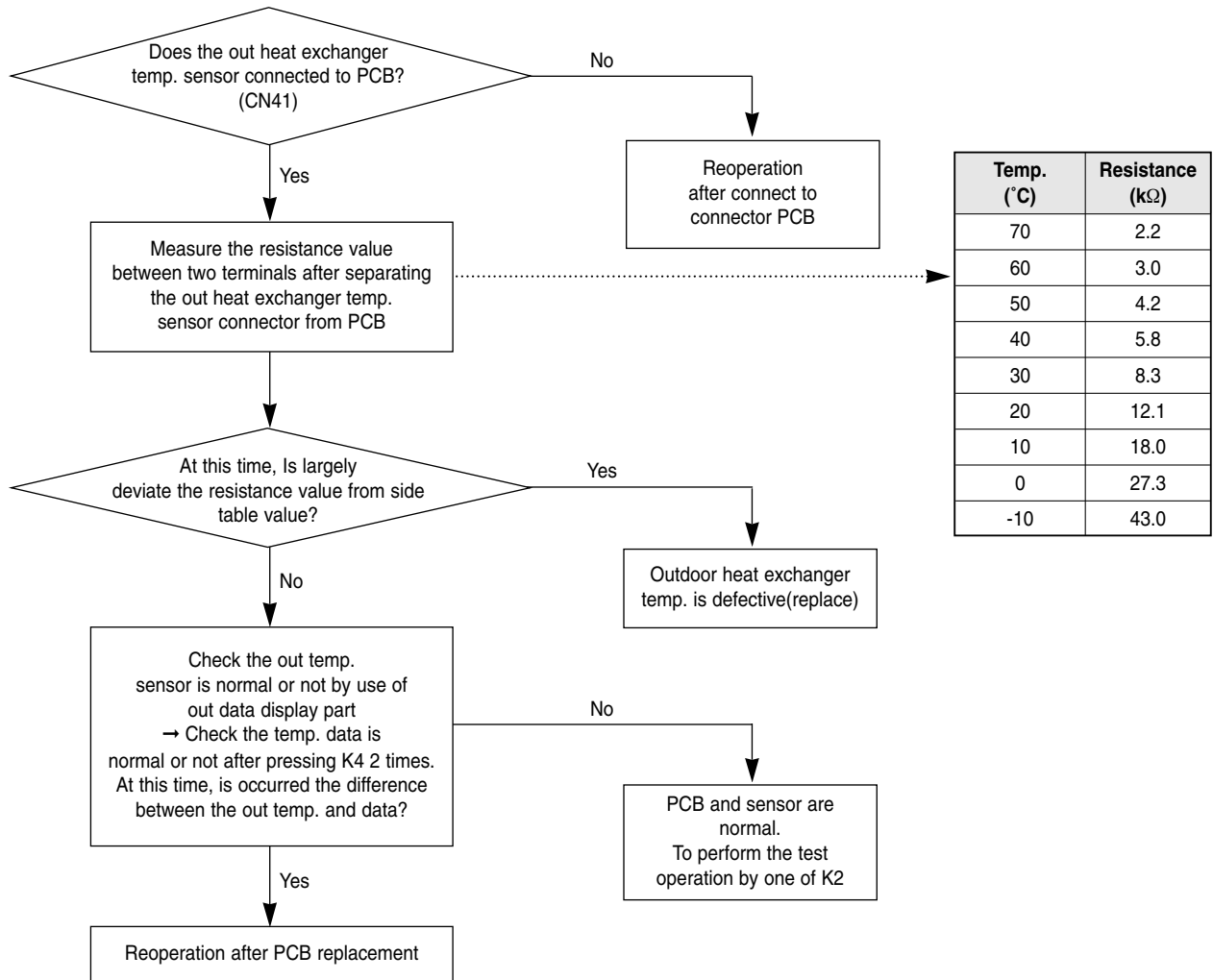
5-3-1 Outdoor temp. sensor(OPEN/SHORT)

Outdoor unit display	Er → t1 (Outdoor temp. sensor OPEN/SHORT error)
Indoor unit display	● (Operation) × (Timer) ● (Airflow) × (Filter)
How to determine	Disconnection and short of outdoor temp. sensor
Reason of error	Disconnection or leak of applied sensor



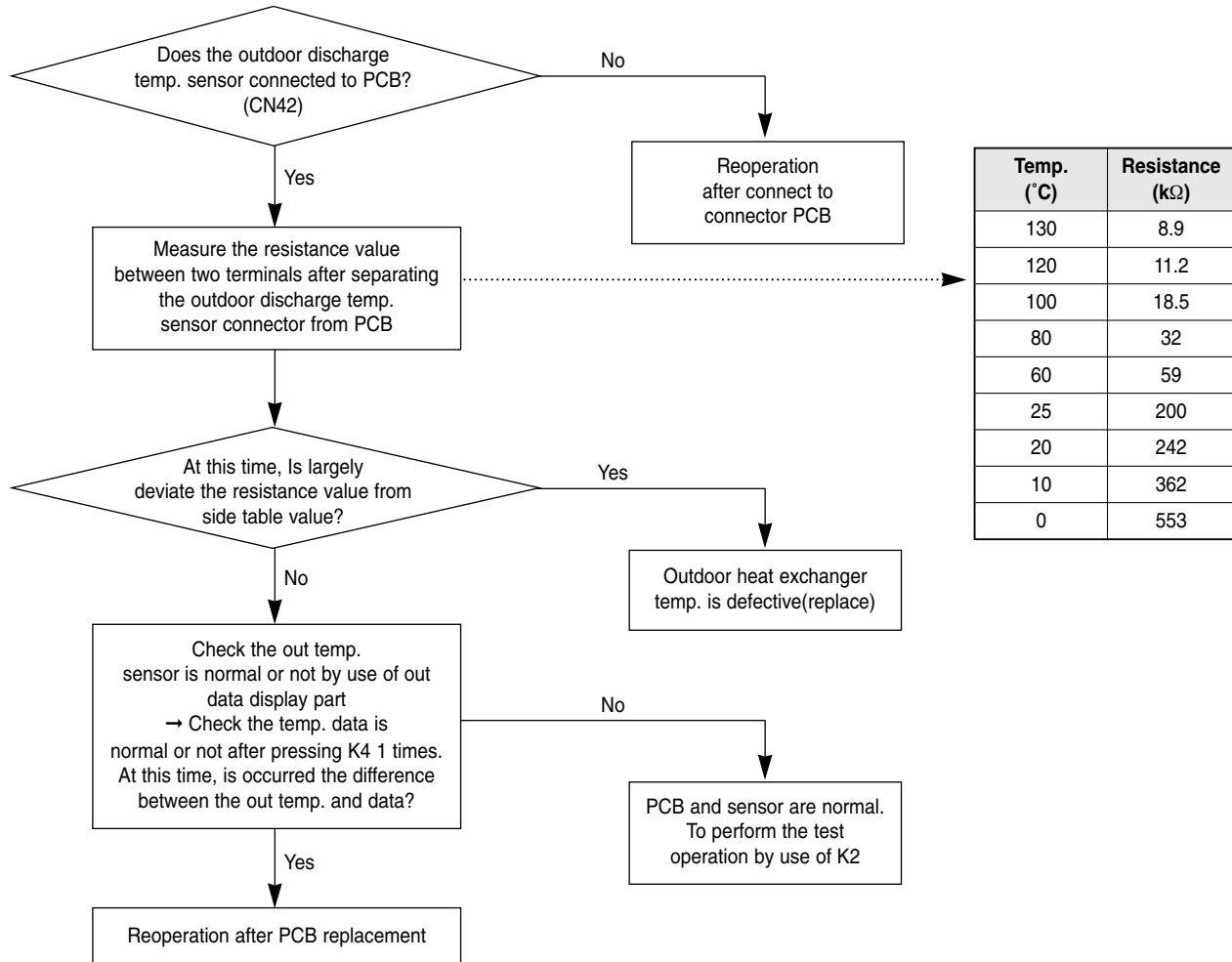
5-3-2 Outdoor heat exchanger temp. sensor error(OPEN/SHORT)

Outdoor unit display	Er → t2 (Outdoor heat exchanger temp. sensor error(OPEN/SHORT))
Indoor unit display	● (Operation) × (Timer) ● (Airflow) × (Filter)
How to determine	Disconnection and short of outdoor heat exchanger temp. sensor
Reason of error	Disconnection or leak of Applied sensor



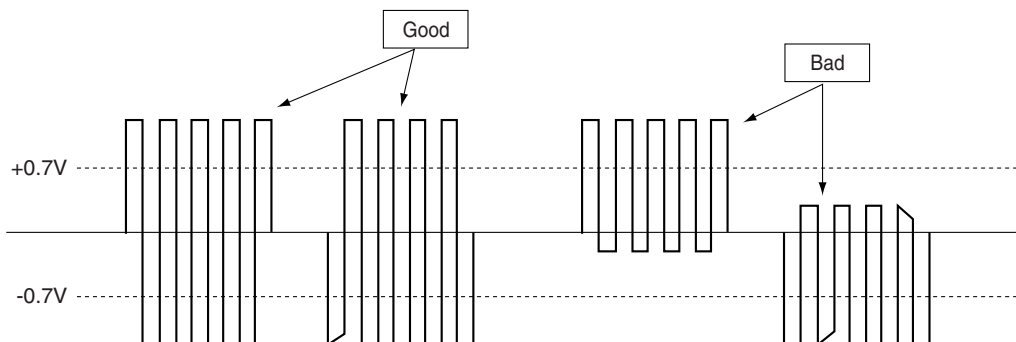
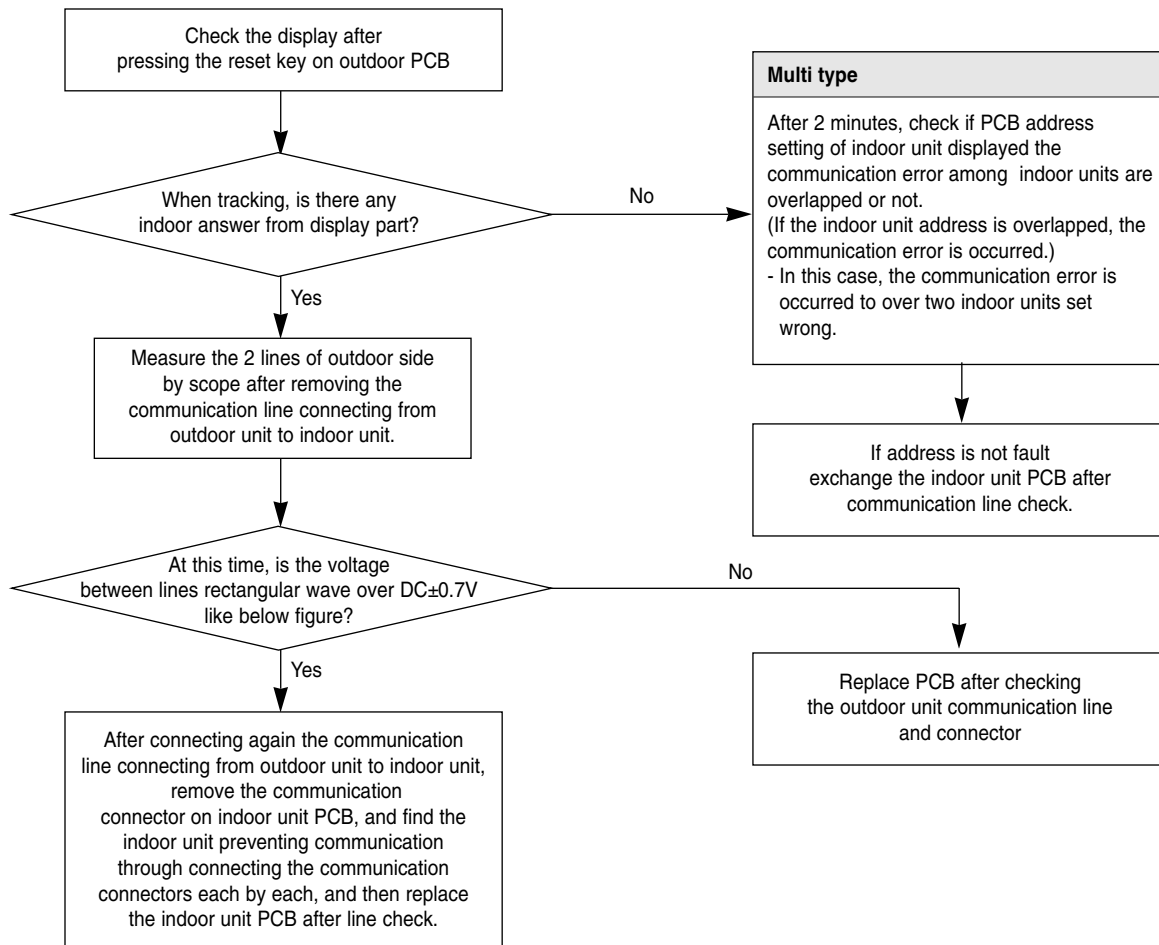
5-3-3 Outdoor discharge temp. sensor error(OPEN/SHORT)

Outdoor unit display	Er → t3 (Outdoor discharge temp. sensor OPEN/SHORT error)
Indoor unit display	● (Operation) × (Timer) ● (Airflow) × (Filter)
How to determine	Disconnection and short of outdoor discharger temp. sensor
Reason of error	Disconnection or leak of Applied sensor



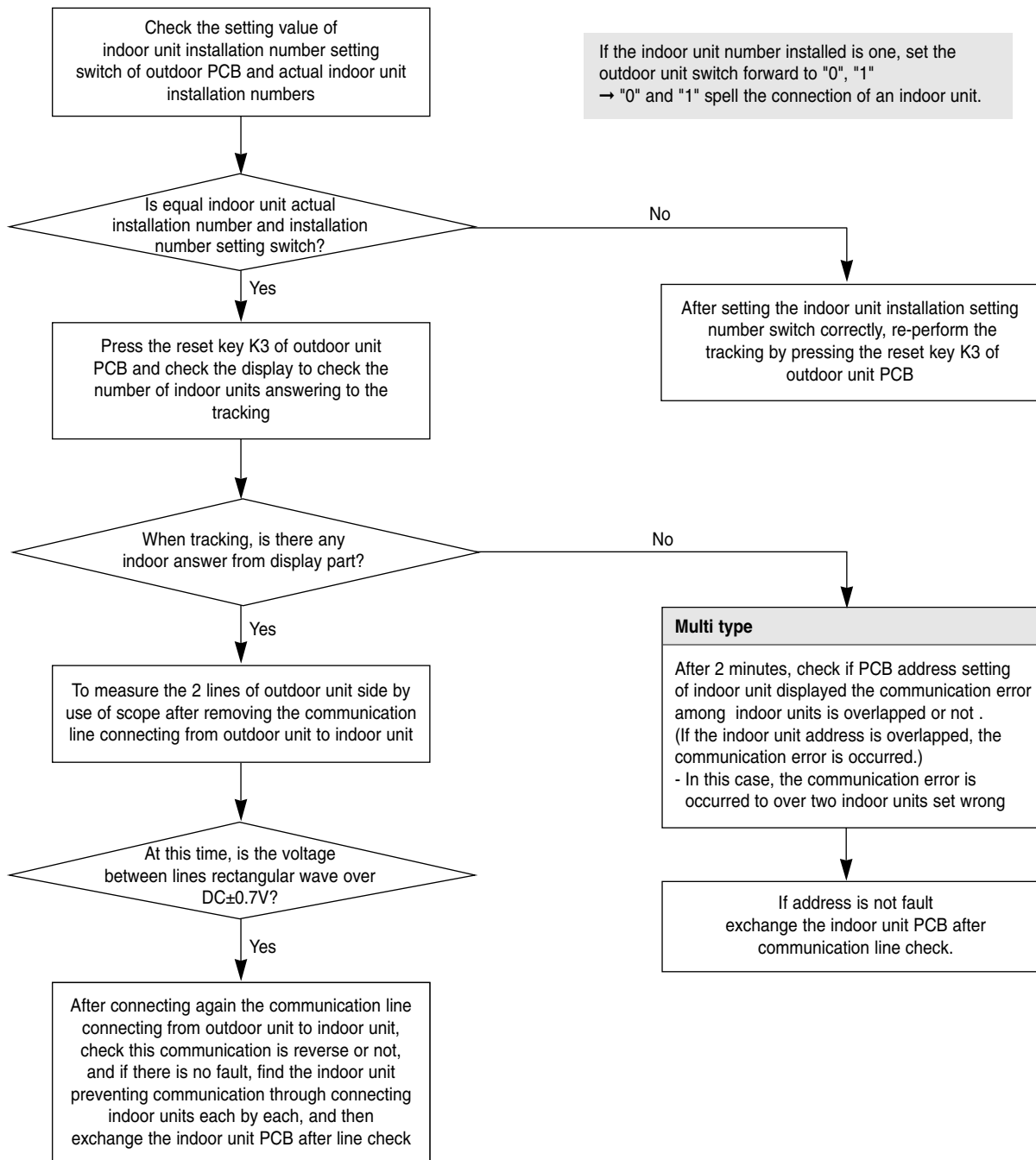
5-3-4 Communication error during the operation

Outdoor unit display	Er → E1 (Communication error during the operation)
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) × (Filter)
How to determine	Disconnection and short of communication lines
Reason of error	Communication error between the indoor unit and outdoor unit.



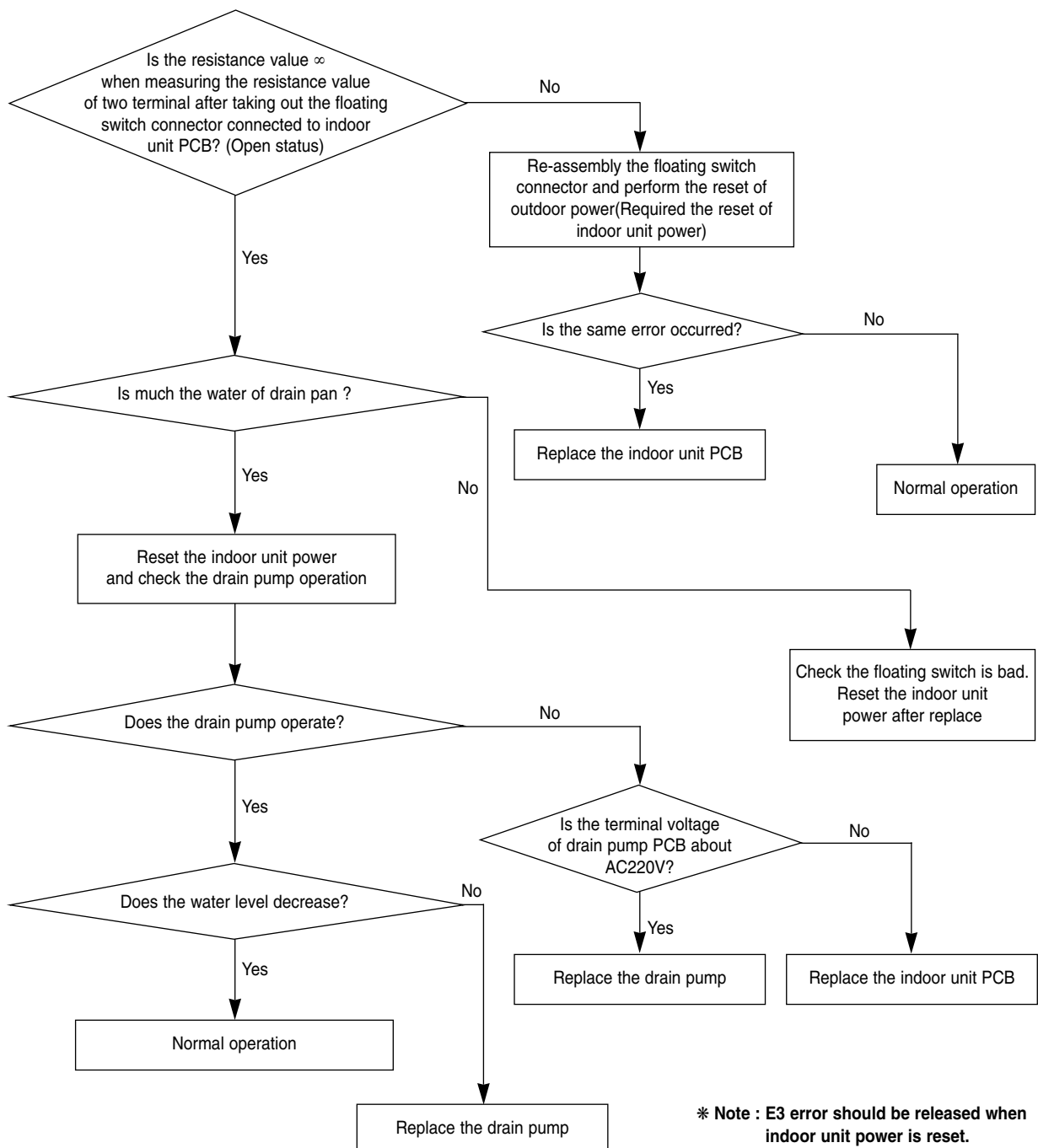
5-3-5 Communication error between indoor and outdoor after initial power input.

Outdoor unit display	Er → E2 (Tracking error)
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) × (Filter)
How to determine	Mismatching the communicating indoor unit and setting switch indoor numbers When outdoor tracking
Reason of error	Communication error between the indoor unit and outdoor unit, and installation number switch setting miss



5-3-6 Indoor float switching error

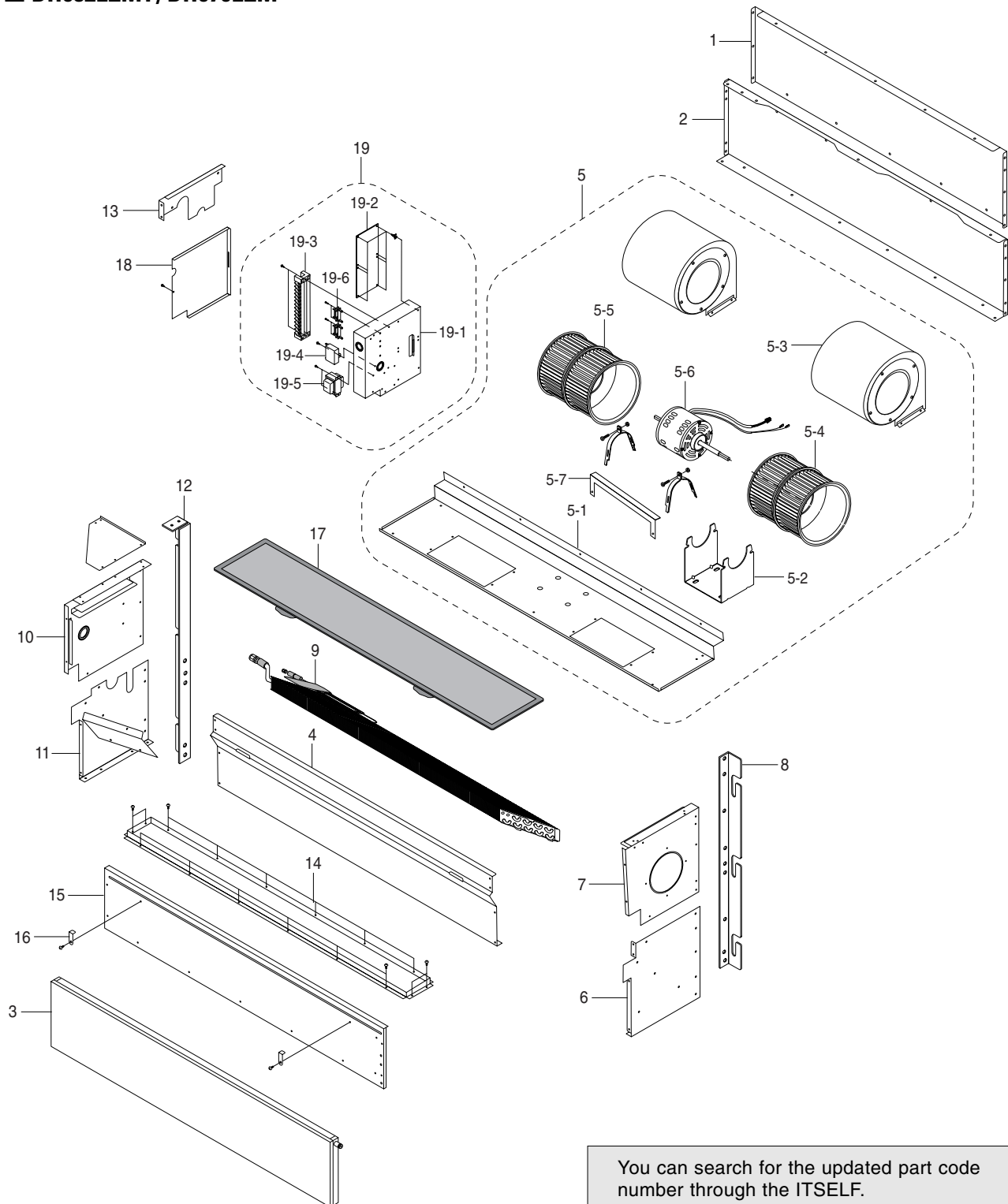
Outdoor unit display	Er → E3 (Indoor float switching error)
Indoor unit display	× (Operation) × (Timer) ● (Airflow) ● (Filter)
How to determine	The status continues over 1 minute that indoor unit float switch is opened.
Reason of error	The rising of water level of drain pan due to the disorder of indoor unit drain pump, the badness of detection sensor



6. Exploded Views and Parts List

6-1 Indoor Unit

■ DH052EZM1 / DH070EZM



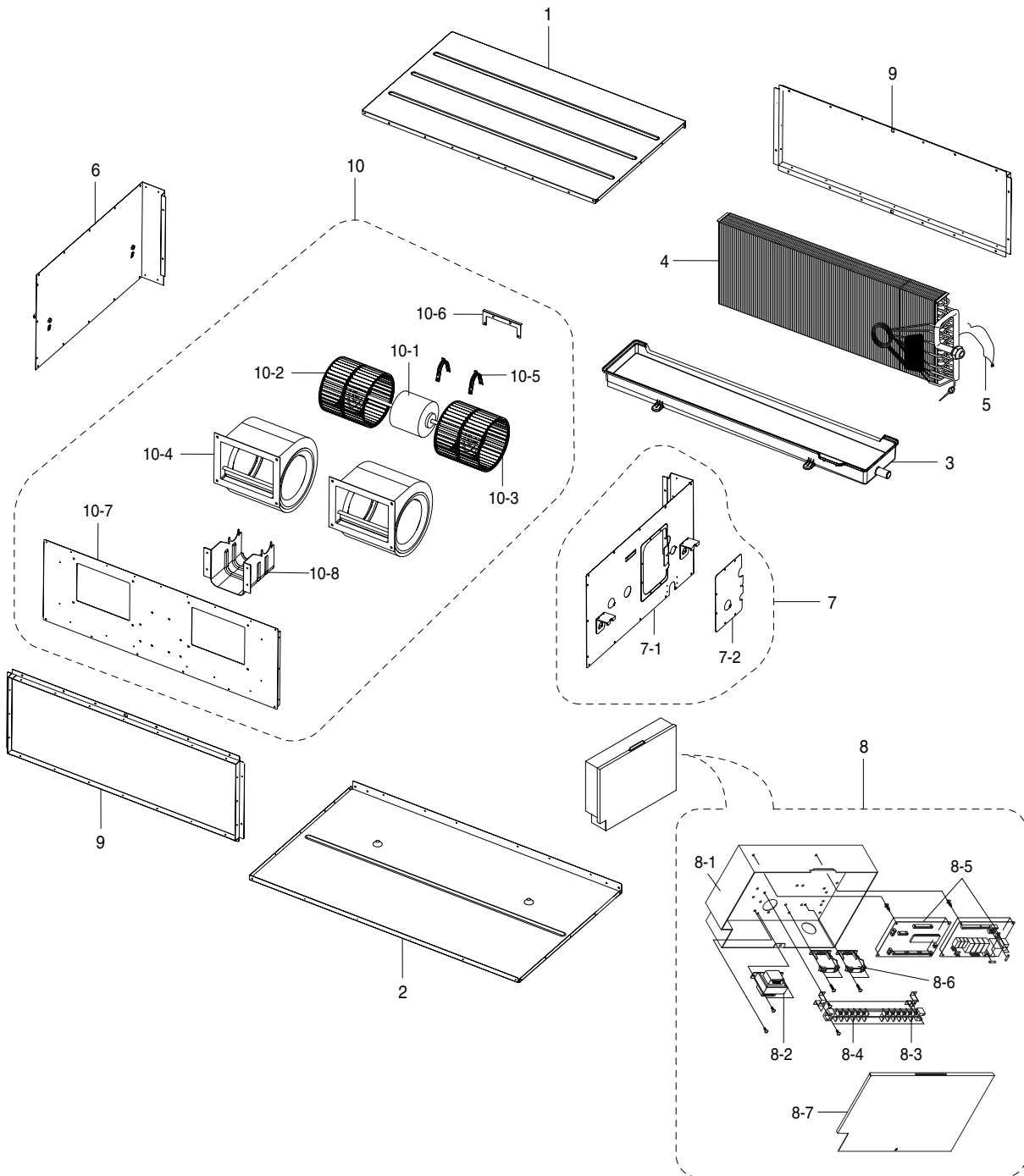
You can search for the updated part code number through the ITSELF.

URL : <http://itself.sec.samsung.co.kr>

■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB63-00076A	COVER-TOP	SGCC-M T0.8	1	SNA
2	DB63-00074A	COVER-CASE DUCT	SGCC-M T0.8	1	SNA
3	DB94-00022A	ASS'Y-DRAIN PAN	ASS'Y, BLK	1	SA
4	DB61-00099A	CASE-BOTTOM	SGCC-M, T0.8	1	SNA
5	DB94-00023C	ASS'Y-BLOWER DUCT	ADH2400B	1	SA
5-1	DB64-00071A	PANEL-DUCT MOTOR	SGCC-M, T1.2	1	SNA
5-2	DB61-00155A	BRACKET-MOUNT MOTOR	SGCC-M, T2.0	1	SNA
5-3	DB90-00121A	ASS'Y-CASE FAN	ADH2400E	2	SNA
5-4	DB67-00046A	BLOWER-LF	ASS'Y, SGCC-M, ø175	1	SA
5-5	DB67-00046B	BLOWER-RH	ASS'Y, SGCC-M, ø175	1	SA
5-6	DB31-00025A	MOTOR-FAN IN	OSME-1004 SAC	1	SA
5-7	DB61-00499A	BRACKET-MOTOR GUIDE	SGCC-M, T1.6	1	SNA
6	DB90-00117A	ASS'Y-CABI LF	ASS'Y	1	SA
7	DB90-00119C	ASS'Y-CABI INLET LF	ASS'Y	1	SNA
8	DB70-00026B	PLATE-HANGER LF	SGCC-M, T2.0	1	SA
9	DB96-03042A	ASS'Y-EVAP	ASS'Y	1	SA
10	DB90-00120C	ASS'Y-CABI INLET RH	ASS'Y	1	SNA
11	DB90-00118A	ASS'Y-CABI SIDE RH	ASS'Y	1	SA
12	DB70-00027B	PLATE-HANGER RH	SGCC-M, T2.0	1	SA
13	DB64-00121A	CABINET-SIDE RH B	SGCC-M, T0.8	1	SNA
14	DB90-00393A	ASS'Y-HOLDER OUTLET	ASS'Y	1	SNA
15	DB90-00114A	ASS'Y-COVER BOTTOM	ASS'Y	1	SA
16	DB71-00019A	PLATE-HANDLE	SGCC-M, T1.2	2	SA
17	DB74-00006A	FILTER-PRE	PE, 36x40	1	SA
18	DB63-00080A	COVER-CONTROL	SGCC-M, T0.8	1	SNA
19	DB93-01616E	ASS'Y-CONTROL IN	ASS'Y	1	SNA
19-1	DB90-00116A	ASS'Y-CASE CONTROL	ASS'Y	1	SA
19-2	DB93-00849N	ASS'Y-PCB MAIN	DPM24K DUCT IN	1	SA
19-3	DB65-00029C	TERMINAL-BOARD 6P	6P	1	SNA
19-4	2301-001368	CAPACITOR	450VAC/5.0μF	1	SNA
19-5	DB26-10065B	TRANS-POWER	DC17 AC230V 50Hz	1	SA
19-6	DB61-40291B	HOLDER-WIRE	PP, T2.0, BLK	2	SNA

■ HH105EZM1 / HH128EZM1 / HH140EZM1 / LH105EZM1 / LH128EZM1 / LH140EZM1



■ Parts List

No.	Code No.	Description	Specification	Q'TY		SA/SNA
				HH105EZM1	HH128EZM1 HH140EZM1	
1	DB98-06745B	ASS'Y CABI TOP	HH140EZM, DUCT TYPE	1	1	SNA
2	DB98-06744B	ASS'Y CABI BASE PART	HH140EZM, DUCT TYPE	1	1	SNA
3	DB94-00599A	ASS'Y DRAIN PAN	HH140EZM, DUCT TYPE	1	1	SA
4	DB96-02872C	ASS'Y EVAP	HH140EZM, DUCT TYPE	-	1	SA
	DB96-02934B	ASS'Y EVAP	HH105EZM, DUCT TYPE	1	-	SA
5	DB32-00016B	THERMISTOR-ASS'Y	HH140EZM, DUCT TYPE	1	1	SA
6	DB98-05296B	ASS'Y-CABI SIDE LF PART	HH140EZM, DUCT TYPE	1	1	SNA
7	DB98-05298B	ASS'Y-CABI SIDE RH PART	HH140EZM, DUCT TYPE	1	1	SNA
7-1	DB64-01147A	CABI SIDE RH	HH140EZM, DUCT TYPE	1	1	SA
7-2	DB63-01023A	COVER CABI SIDE	HH140EZM, DUCT TYPE	1	1	SA
8	DB93-01616B	ASS'Y CONTROL IN	220V, 50Hz, HH140EZM	-	1	SA
	DB93-01616N	ASS'Y CONTROL IN	220V, 50Hz, HH105EZM	1	-	SA
8-1	DB61-00098A	CASE-CONTROL	SGCC-M, T0.8	1	1	SNA
8-2	DB26-10065B	TRANS-POWER	230V, 50Hz	1	1	SA
8-3	DB65-00004H	TERMINAL BLOCK-6P	6p	1	1	SA
8-4	DB65-00004L	TERMINAL BLOCK-6P	6p	1	1	SA
8-5	DB93-00849P	ASS'Y PCB MAIN-DPM DUCT	DPM, PCB, HH140EZM	1	1	SA
8-6	DB61-40291B	HOLDER-WIRE	PP, BLK	2	2	SNA
8-7	DB63-01021A	COVER-CONTROL	SGCC-M,T0.5	1	1	SNA
9	DB90-01513A	ASS'Y-BRACKET OUTLET	HH140EZM, DUCT TYPE	2	2	SA
10	DB94-00586A	ASS'Y BLOWER	HH140EZM, DUCT TYPE	-	1	SNA
	DB94-00586B	ASS'Y BLOWER	HH105EZM, DUCT TYPE	1	-	SNA
10-1	DB31-00079E	MOTOR FAN	OSME-1604SAC(S324)	-	1	SA
	DB31-00145A	MOTOR FAN	OSME-2004SAC(S328)	1	-	SA
10-2	DB67-00117A	BLOWER LF	SGCC-M	1	1	SA
10-3	DB67-00117B	BLOWER-RH	SGCC-M	1	1	SA
10-4	DB90-00313A	ASS'Y-HOUSING	HH140EZM, DUCT TYPE	2	2	SNA
10-5	DB72-00710A	BAND MOTOR	SGCC-M, T1.6	4	4	SNA
10-6	DB61-00540B	BRACKET-MOTOR GUIDE	SGCC-M, T1.6	1	1	SNA
10-7	DB64-01148A	PANEL-DUCT	SGCC-M	1	1	SA
10-8	DB61-01880A	BASE MOTOR	SGCC-M, T2.3	1	1	SNA

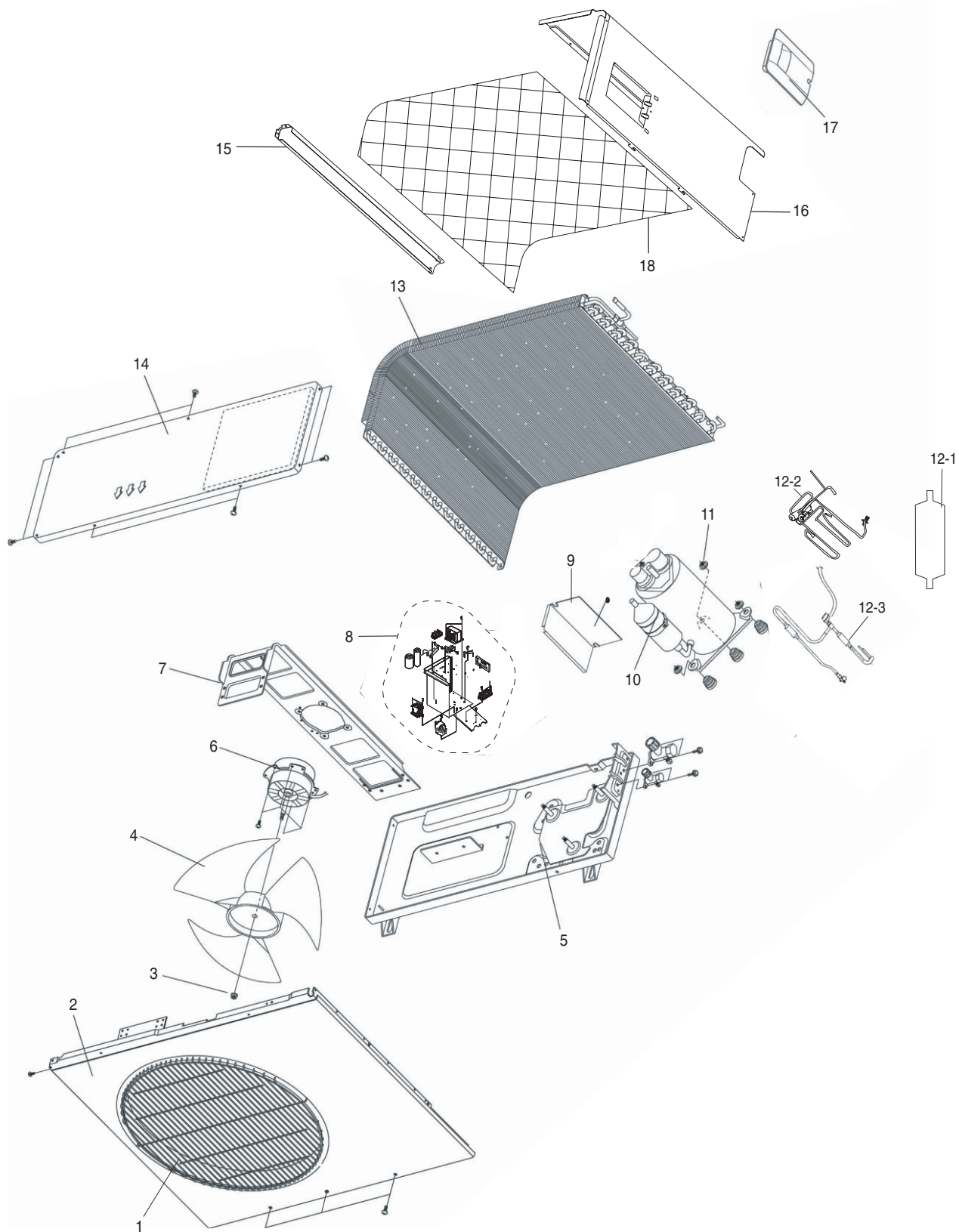
■ Parts List

No.	Code No.	Description	Specification	Q'TY		SA/SNA
				LH105EZM1	LH128EZM1 LH140EZM1	
1	DB98-06745B	ASS'Y CABI TOP	HH140EZM, DUCT TYPE	1	1	SNA
2	DB98-06744B	ASS'Y CABI BASE PART	HH140EZM, DUCT TYPE	1	1	SNA
3	DB94-00599A	ASS'Y DRAIN PAN	HH140EZM, DUCT TYPE	1	1	SA
4	DB96-02872C	ASS'Y EVAP	HH140EZM, DUCT TYPE	-	1	SA
	DB96-02934B	ASS'Y EVAP	HH105EZM, DUCT TYPE	1	-	SA
5	DB32-00016B	THERMISTOR-ASS'Y	HH140EZM, DUCT TYPE	1	1	SA
6	DB98-05296B	ASS'Y-CABI SIDE LF PART	HH140EZM, DUCT TYPE	1	1	SNA
7	DB98-05298B	ASS'Y-CABI SIDE RH PART	HH140EZM, DUCT TYPE	1	1	SNA
7-1	DB64-01147A	CABI SIDE RH	HH140EZM, DUCT TYPE	1	1	SA
7-2	DB63-01023A	COVER CABI SIDE	HH140EZM, DUCT TYPE	1	1	SA
8	DB93-01616D	ASS'Y CONTROL IN	220V, 50Hz, HH140EZM	-	1	SA
	DB93-01616M	ASS'Y CONTROL IN	220V, 50Hz, HH105EZM	1	-	SA
8-1	DB61-00098A	CASE-CONTROL	SGCC-M, T0.8	1	1	SNA
8-2	DB26-10065B	TRANS-POWER	230V, 50HZ	1	1	SA
8-3	DB65-00004H	TERMINAL BLOCK-6P	6p	1	1	SA
8-4	DB65-00004L	TERMINAL BLOCK-6P	6p	1	1	SA
8-5	DB93-00849Q	ASS'Y PCB MAIN-DPM DUCT	DPM, PCB, HH140EZM	1	1	SA
8-6	DB61-40291B	HOLDER-WIRE	PP, BLK	2	2	SNA
8-7	DB63-01021A	COVER-CONTROL	SGCC-M, T0.5	1	1	SNA
9	DB90-01513A	ASS'Y-BRACKET OUTLET	HH140EZM, DUCT TYPE	2	2	SA
10	DB94-00586D	ASS'Y BLOWER	HH140EZM, DUCT TYPE	-	1	SNA
	DB94-00586E	ASS'Y BLOWER	HH105EZM, DUCT TYPE	1	-	SNA
10-1	DB31-00245A	MOTOR FAN	OSME-2454SAC(S331)	-	1	SA
	DB31-00245B	MOTOR FAN	OSME-1186SAC(S332)	1	-	SA
10-2	DB67-00117A	BLOWER LF	SGCC-M	1	1	SA
10-3	DB67-00117B	BLOWER-RH	SGCC-M	1	1	SA
10-4	DB90-00313A	ASS'Y-HOUSING	HH140EZM, DUCT TYPE	2	2	SNA
10-5	DB72-00710A	BAND MOTOR	SGCC-M, T1.6	4	4	SNA
10-6	DB61-00540B	BRACKET-MOTOR GUIDE	SGCC-M, T1.6	1	1	SNA
10-7	DB64-01148A	PANEL-DUCT	SGCC-M	1	1	SA
10-8	DB61-01880A	BASE MOTOR	SGCC-M, T2.3	1	1	SNA

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6-2 Outdoor Unit

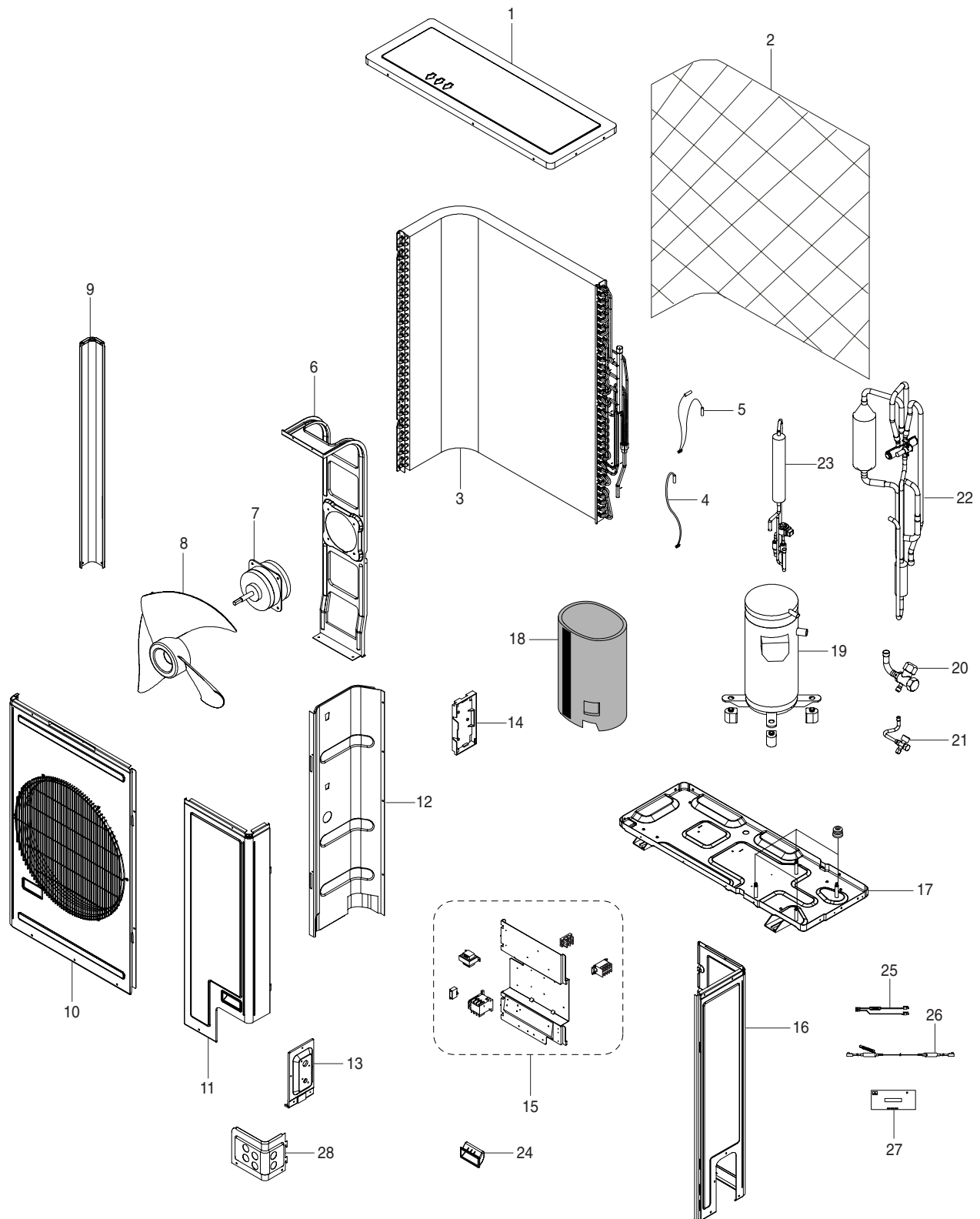
■ UH052EZMC / UH070EZMC



■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB63-00831A	GUARD FAN	APH1816,-,-,-,-,-,CHINA	1	SA
2	DB90-00447A	ASS'Y-CABI FRONT	ASS'Y	1	SA
3	DB60-30028A	NUT-WASHER	HEX 2C M8 ZPC	1	SNA
4	DB67-50074A	FAN-PROPELLER	AS-1569,-,-	1	SA
5	DB90-00970E	ASS'Y BASE OUT-PART	(PAINT+SEAL);KFRD-67W	1	SNA
6	DB31-00027E	MOTOR-FAN	2 STEP,WEILING	1	SA
7	DB95-00205A	ASS'Y MOTOR-B/K	APH1816,CHINA	1	SA
8	DB93-02484A	ASS'Y CONTROL OUT	HP, UH070EZM	1	SNA
9	DB67-30081C	PARTITION	ASM-3500A,-	1	SA
10	DB95-00201A	ASS'Y COMP	APH2416,SHV33C6-G,HITACHI	1	SA
11	DB60-30028A	NUT-WASHER	HEX 2C M8 ZPC	3	SNA
12-1	DB67-00379A	ACCUMULATOR	ACE-23ZA3,UH070EZMC	1	SNA
12-2	DB96-02902A	ASS'Y 4-WAY VALVE	ASS'Y	1	SA
12-3	DB96-02903A	ASS'Y EXPANSION VALVE	ASS'Y	1	SA
13	DB98-02909E	ASS'Y-COND PART	UH070EZMC,CHINA	1	SA
14	DB90-10616G	ASS'Y CABI-UP	APE2468,CHINA(ALL)	1	SA
15	DB63-00692A	GUARD COND	1-PJT,SECC-P,T=1.6,	1	SA
16	DB64-00798B	CABINET-SIDE RH	W1-PJT,SECC-	1	SNA
17	DB63-10490B	COVER-CONTROL	ABS(V0),-,SC-90073R,-	1	SA
18	DB61-00821B	GUIDE-SCREEN	AP-L1540,P.E.H 100%,T2.5,10	1	SA

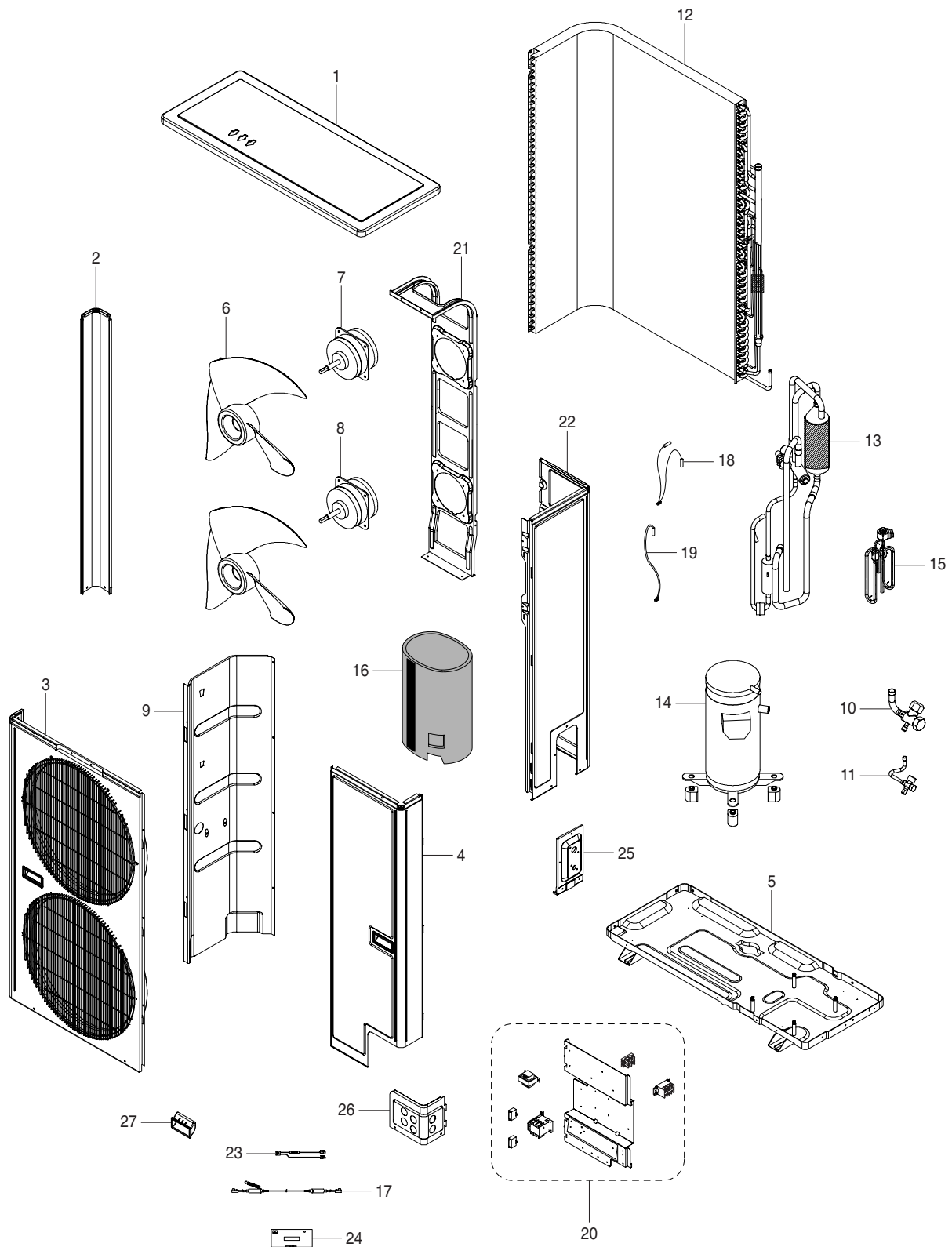
■ UH105GZMC



■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB90-01590A	ASS'Y-CABI TOP	UH105GZMC,-	1	SA
2	DB61-01908A	GUIDE-SCREEN	UH105GZMC,P.E.H 100% T2.5,-,-,-,SSEC	1	SA
3	DB96-03667A	ASS'Y COND-UNIT	UH105GZMC,SSEC BENDING	1	SA
4	DB32-00101C	THERMISTOR-OUT	204CT,200K/25,3435K,-20-150,50mA,5V,-,-,SSEC	1	SA
5	DB32-00102C	THERMISTOR-OUT	204CT,200K/25,3435K,-20-150,50mA,5V,-,-,SSEC	1	SA
6	DB61-01854A	BRACKET MOTOR	UH105GZMC,SGCC-M,T1.6,-,-,-,-	1	SA
7	DB31-00240B	MOTOR FAN-OSME 904SRC	OSME-904SRC,UH140GCM,-,50Hz,-,220V, 560/480/380,50Hz,220V,-,-,OSME-904SRC	1	SA
8	DB67-00438A	FAN-PROPELLER	AP-N2390F,AS+GF20%,460,3,T3.5,NOVA-PJT	1	SA
9	DB90-01593A	ASS'Y CABINET BACK-LF	UH105GZMC,SSEC	1	SA
10	DB90-01591A	ASS'Y-CABI FRONT LF	UH105GZMC,SSEC	1	SA
11	DB90-01592A	ASS'Y CABINET FRONT-RH	UH105GZMC,SSEC	1	SA
12	DB67-00467A	PARTITION	UH105GZMC,-	1	SA
13	DB97-02613A	ASS'Y BRACKET-VALVE	ASS'Y,SGCC-M,T1.6,SSEC	1	SA
14	DB61-01582A	CASE PCB	UH070EZM,ABS,2.5,-,-,BLACK,DPM,5V	1	SA
15	DB93-02762B	ASS'Y CONTROL OUT	HP,-,-,-,-,-,SCROLL,-,R22,-,-,-,-,UH105GZMC,-	1	SNA
16	DB90-01594A	ASS'Y CABINET BACK-RH	UH105GZMC,SSEC	1	SA
17	DB96-03684A	ASS'Y BASE PLATE-OUT	UH105GZMC,SSEC	1	SA
18	DB97-02601A	ASS'Y ETC-INSU SOUND	UH140GZMC,SSEC	1	SA
19	DB99-00495B	ASS'Y-SCROLL COMP SANYO	UH105GZMC,SSEC	1	SA
20	DB62-02320A	VALVE SERVICE	AP-Q4030,C3771,3/4,-,-,DC12V	1	SNA
21	DB62-02832A	VALVE-SERVICE	UH105GZMC,C3771,C3604,CR,3/8,-,-,FLARE TYPE	1	SNA
22	DB99-00603A	ASS'Y VALVE 4-WAY	UH105GZMC,SSEC	1	SA
23	DB99-00605A	ASS'Y VALVE-EXPANSION	UH105GZMC,SSEC	1	SA
24	DB64-01231A	HANDLE	-,-,-,-,SC-90073R	3	SA
25	DB39-00885A	CONNECT WIRE-CCH	UH035EAM,-,-,-,-,-,YH396-03AV,SMH601-01,-,-,-,-,-	1	SNA
26	DB95-00564A	ASS'Y HEATER-COMP	UH105GZMC,CHINA	1	SA
27	DB93-02919B	ASS'Y PCB MAIN	UH105GZMC,SSEC,-,-,-	1	SA
28	DB61-01857A	BRACKET WIRE	UH140GZMC,SECC-P,T0.8,-,-,-,-	1	SA

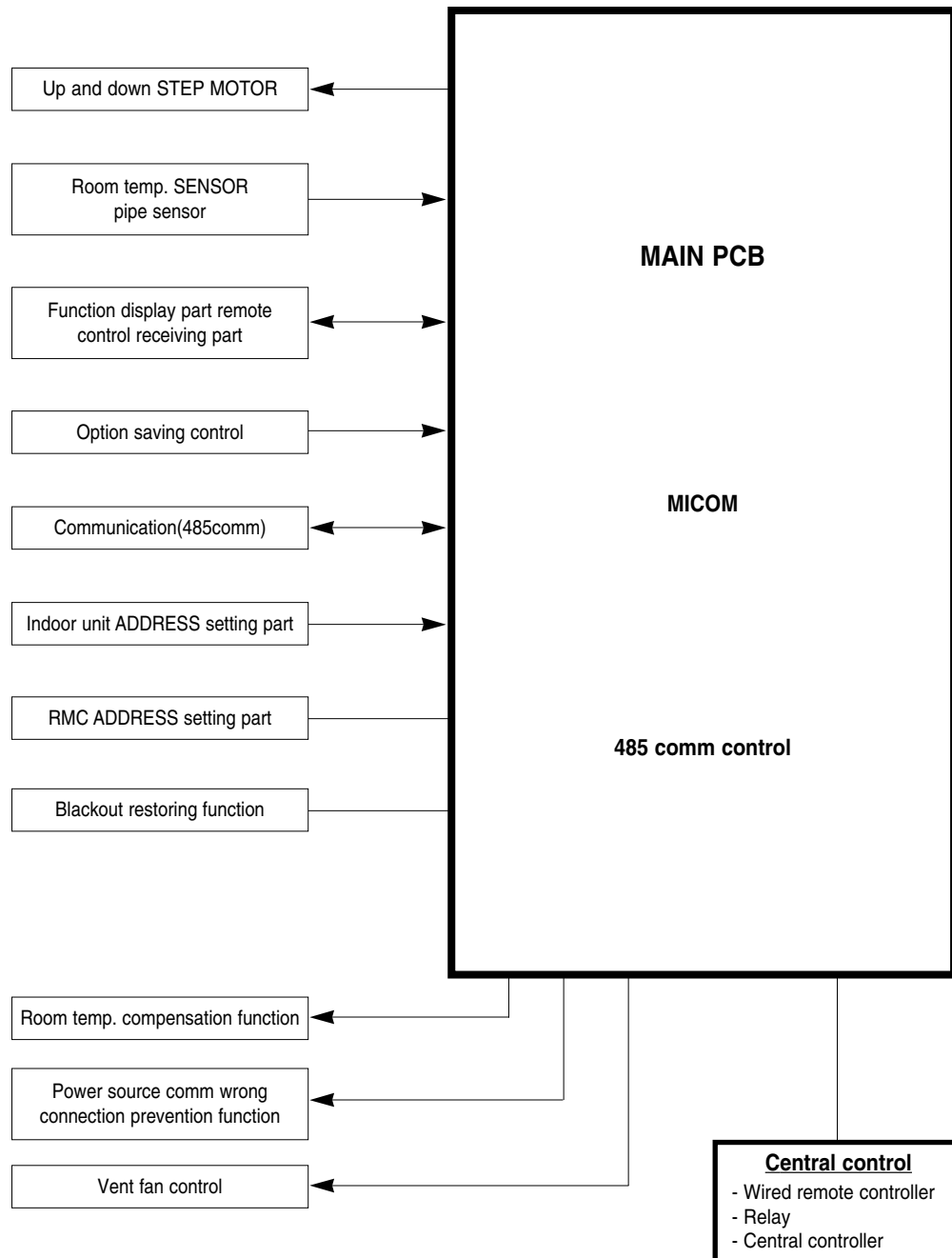
■ UH128GZMC/UH140GZMC



■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB90-01585A	ASS'Y-CABINET TOP	UH140GZMC,-	1	SA
2	DB90-01588A	ASS'Y CABINET BACK-LF	UH140GZMC,SSEC	1	SA
3	DB90-01586A	ASS'Y-CABI FRONT LF	UH140GZMC,-	1	SA
4	DB90-01587A	ASS'Y-CABI FRONT RH	UH140GZMC,-	1	SA
5	DB90-01536A	ASS'Y-CABI BASE	UH140GZMC,SSEC	1	SA
6	DB67-00438A	FAN-PROPELLER	AP-N2390F,AS+GF20%,460,3,T3.5,NOVA-PJT	1	SA
7	DB31-00240A	MOTOR FAN-OSME 904SRC	OSME-904SRC,UH140GCM,-,50Hz,-,220V, 560/480/380,50Hz,220V,-,OSME-904SRC	1	SA
8	DB31-00240B	MOTOR FAN-OSME 904SRC	OSME-904SRC,UH140GCM,-,50Hz,-,220V, 560/480/380,50Hz,220V,-,OSME-904SRC	1	SA
9	DB67-00468A	PARTITION	UH140GZMC,-,SGCC-M,T1.6	1	SA
10	DB62-02320A	VALVE SERVICE	AP-Q4030,C3771,3/4,-,DC12V	1	SNA
11	DB62-02832A	VALVE-SERVICE	UH105GZMC,C3771,C3604,CR,3/8,-,FLARE TYPE	1	SNA
12	DB96-03662A	ASS'Y COND-UNIT	UH140GZMC,SSEC BENDING	1	SNA
13	DB99-00604A	ASS'Y VALVE 4-WAY	UH140GZMC,SSEC	1	SA
14	DB99-00495A	ASS'Y-SCROLL COMP SANYO	UH140GZMC,SSEC	1	SA
15	DB99-00606A	ASS'Y VALVE-EXPANSION	UH140GZMC,SSEC	1	SA
16	DB97-02601A	ASS'Y ETC-INSU SOUND	UH140GZMC,SSEC	1	SA
17	DB95-00564B	ASS'Y HEATER-COMP	UH140GZMC,CHINA	1	SA
18	DB32-00102B	THERMISTOR-OUT	204CT,200K/25,3435K,-20-150,50mA,5V,-,SSEC	1	SA
19	DB32-00101B	THERMISTOR-OUT	204CT,200K/25,3435K,-20-150,50mA,5V,-,SSEC	1	SA
20	DB93-02762A	ASS'Y CONTROL OUT	HP,-,,-,,-,R22,SCROLL,-,,-,,-,UH140GZMC	1	SNA
21	DB61-01855A	BRACKET-MOTOR	UH140GZMC,SGCC-M,T1.6,-,,-,-	1	SA
22	DB90-01589A	ASS'Y CABINET BACK-RH	UH140GZMC,SSEC	1	SA
23	DB39-00885A	CONNECTOR WIRE-CHH	UH035EAM,-,,-,,-,YH396-03AV,SMH601-01,-,,-,,-,-	1	SNA
24	DB93-02919A	ASS'Y PCB MAIN	UH140GZMC,SSEC	1	SA
25	DB97-02613A	ASS'Y BRACKET-VALVE	ASS'Y,SGCC-M,T1.6,SSEC	1	SA
26	DB61-01857A	BRACKET WIRE	UH140GZMC,SECC-P,T0.8,-,,-,-	1	SNA
27	DB64-01231A	HANDLE	-,-,-,SC-90073R	3	SA

7. Block Diagram

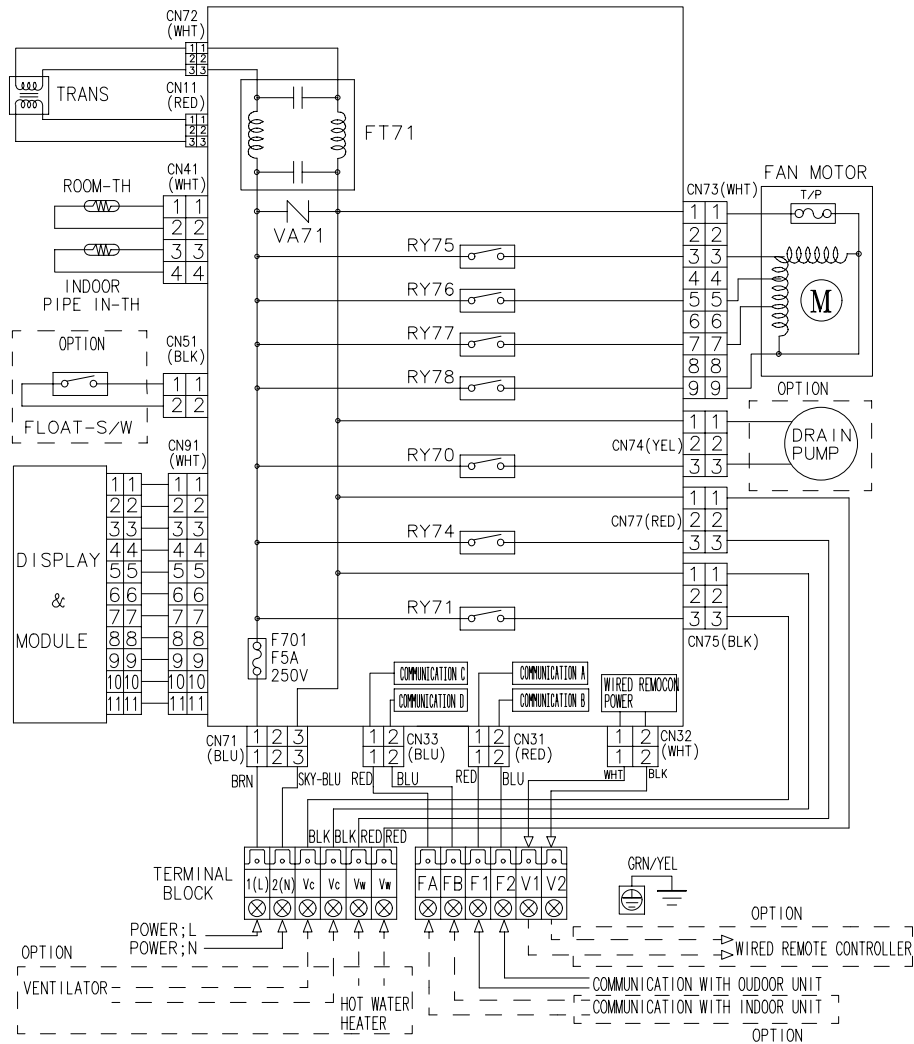


- 485 comm applied, room temp. compensation
- EEPROM option saving and blackout restoring function
- Power-comm line misconnection prevention function
- Cost saving related sub-option separation between indoor unit communication part
- Option part sub-development according to the SVC structure

8. Wiring Diagram

8-1 Indoor Unit

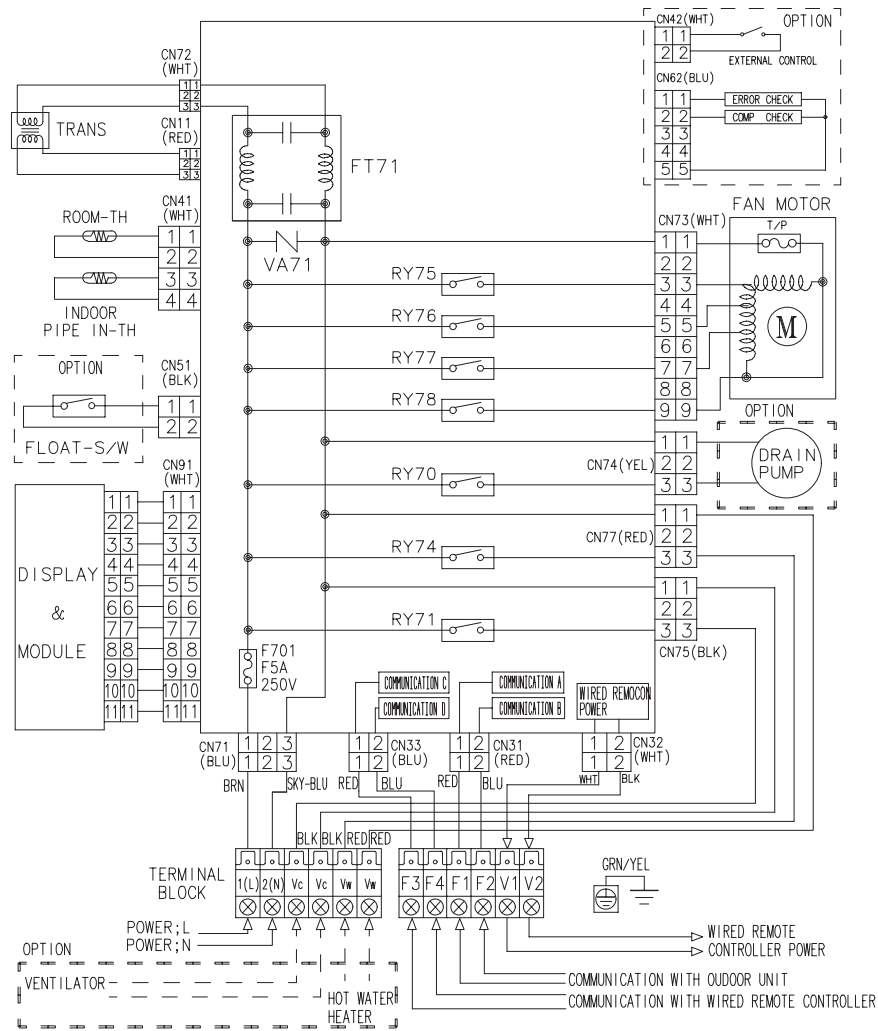
■ DH052EZM1 / DH070EZM



Code No : DB98-12868A

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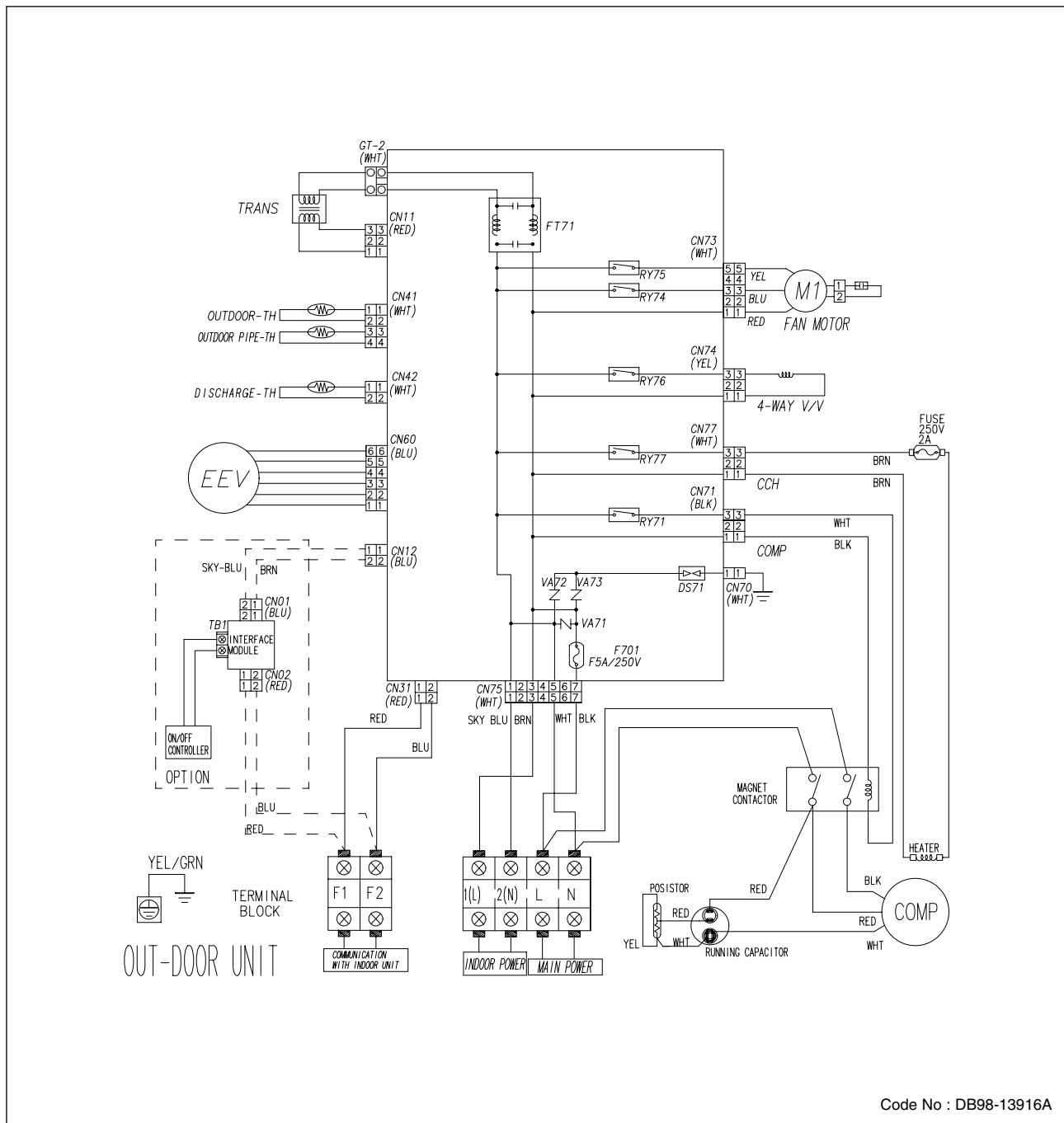
■ HH105EZM1 / HH128EZM1 / HH140EZM1 / LH105EZM1 / LH128EZM1 / LH140EZM1



Code No : DB98-20414A

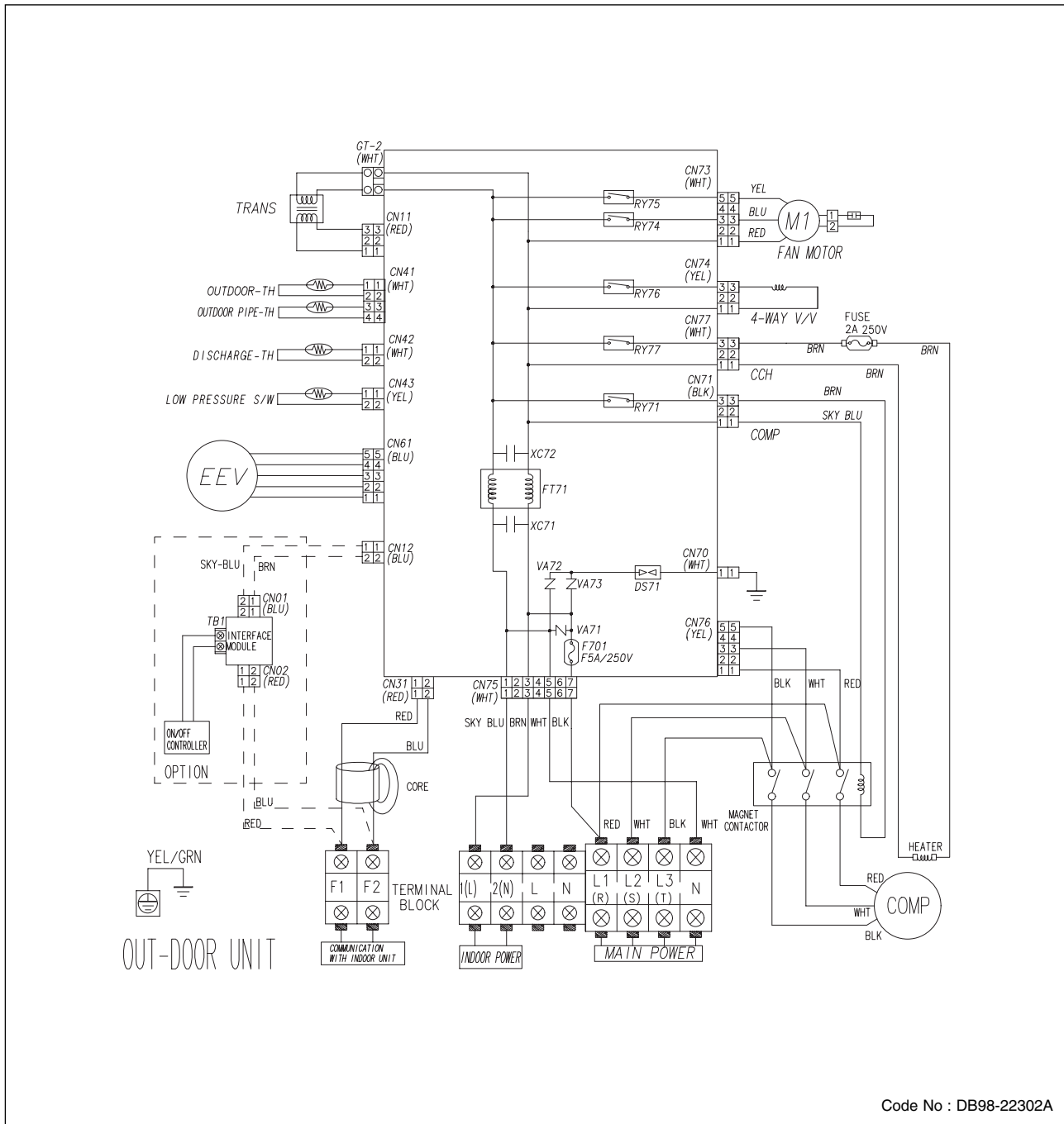
8-2 Outdoor Unit

■ UH052EZMC / UH070EZMC



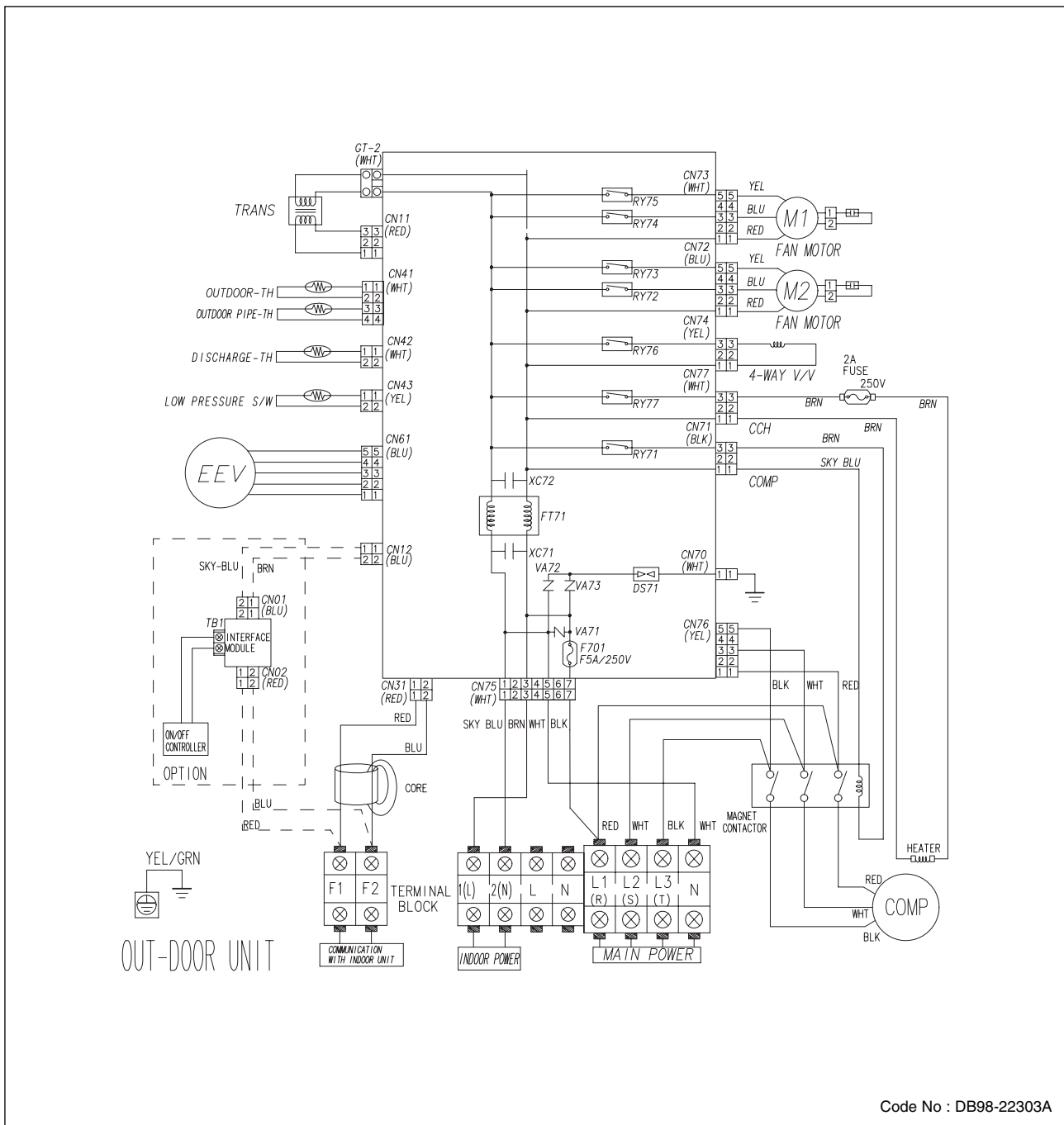
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■ UH105GZMC



Code No : DB98-22302A

■ UH128GZMC / UH140GZMC

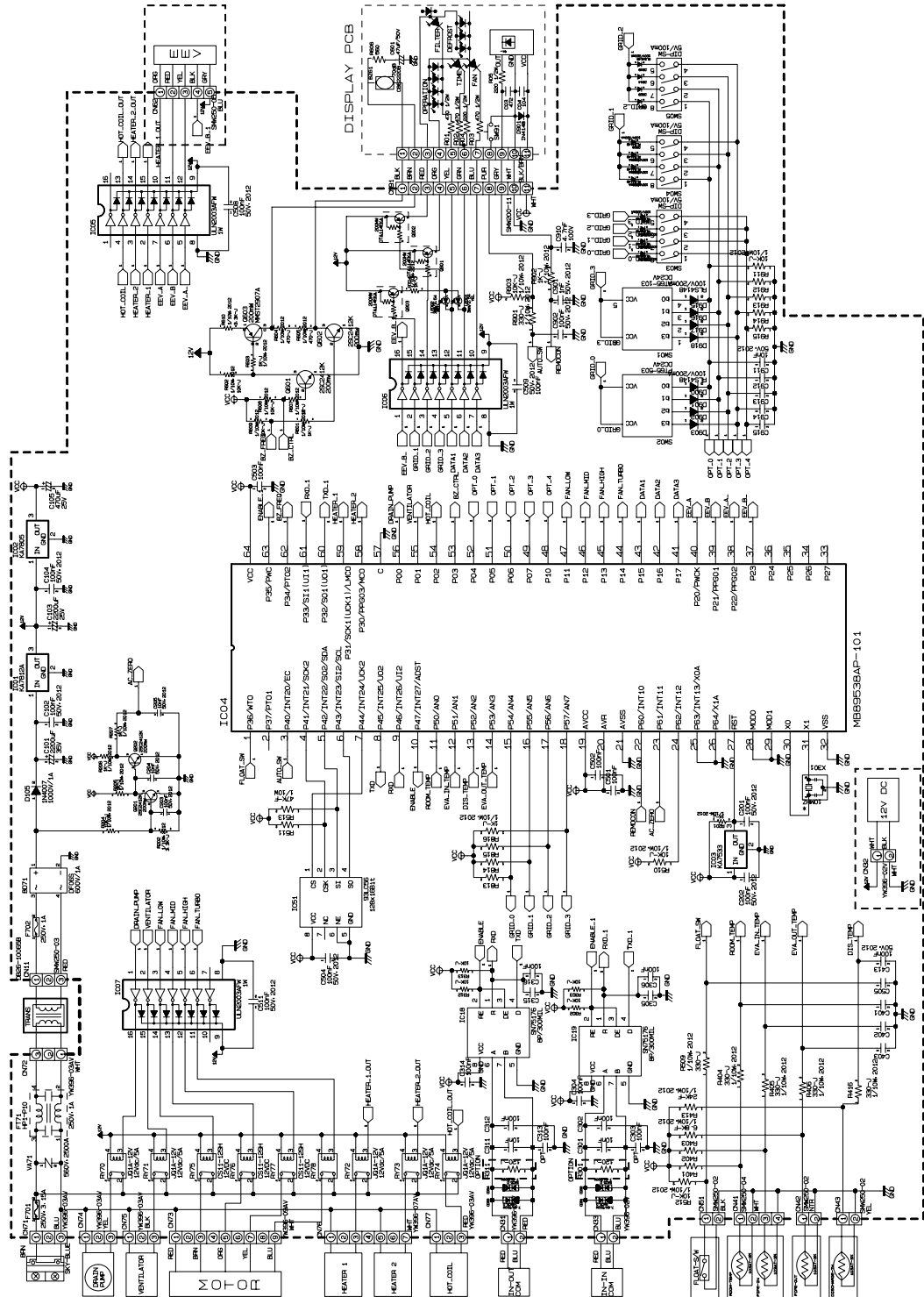


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9. Schematic Diagram

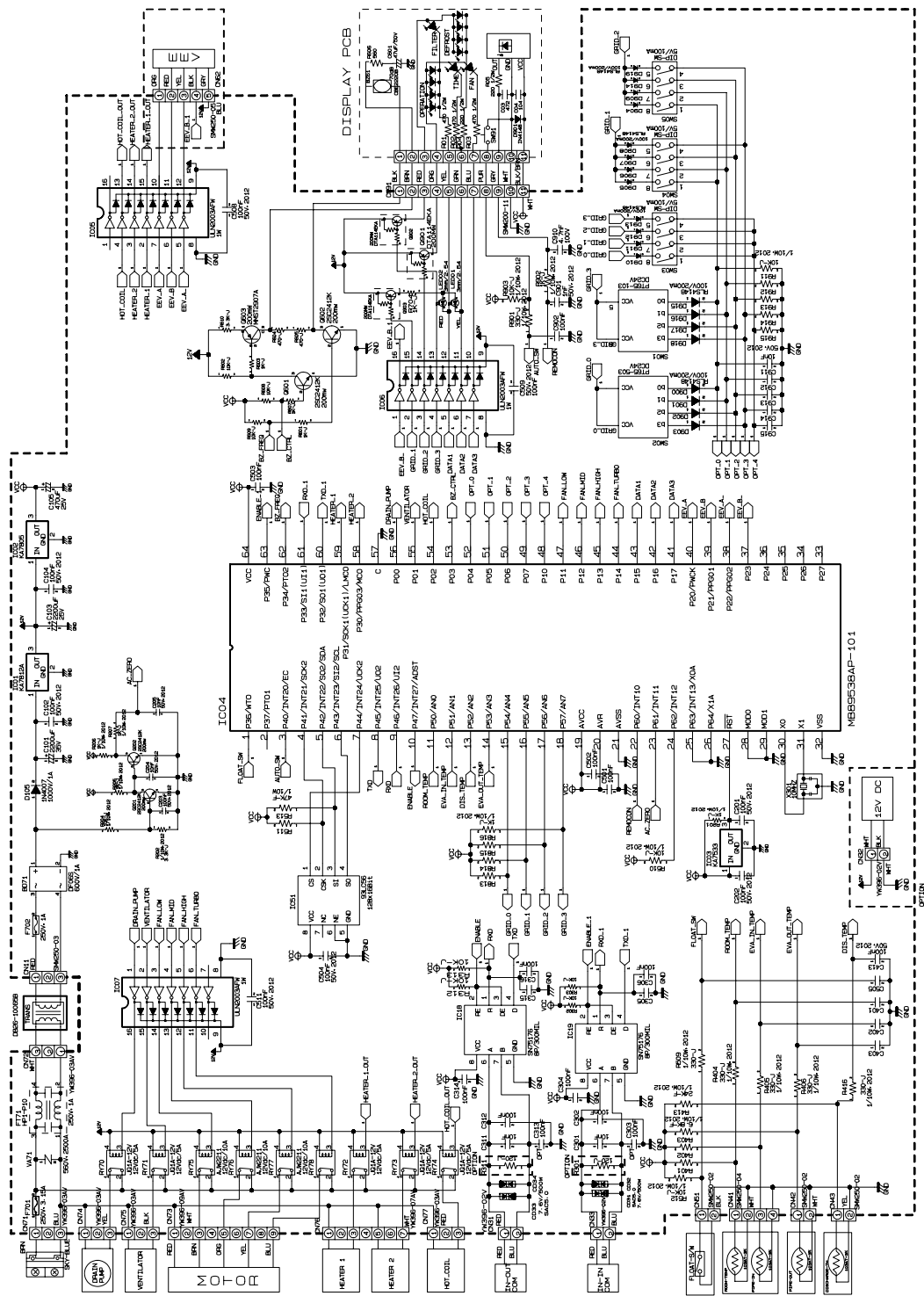
9-1 Indoor Unit

■ DH052EZM1 / DH070EZM



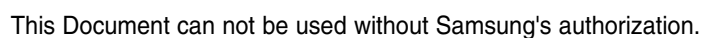
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■ HH105EZM1 / HH128EZM1 / HH140EZM1 / LH105EZM1 / LH128EZM1 / LH140EZM1

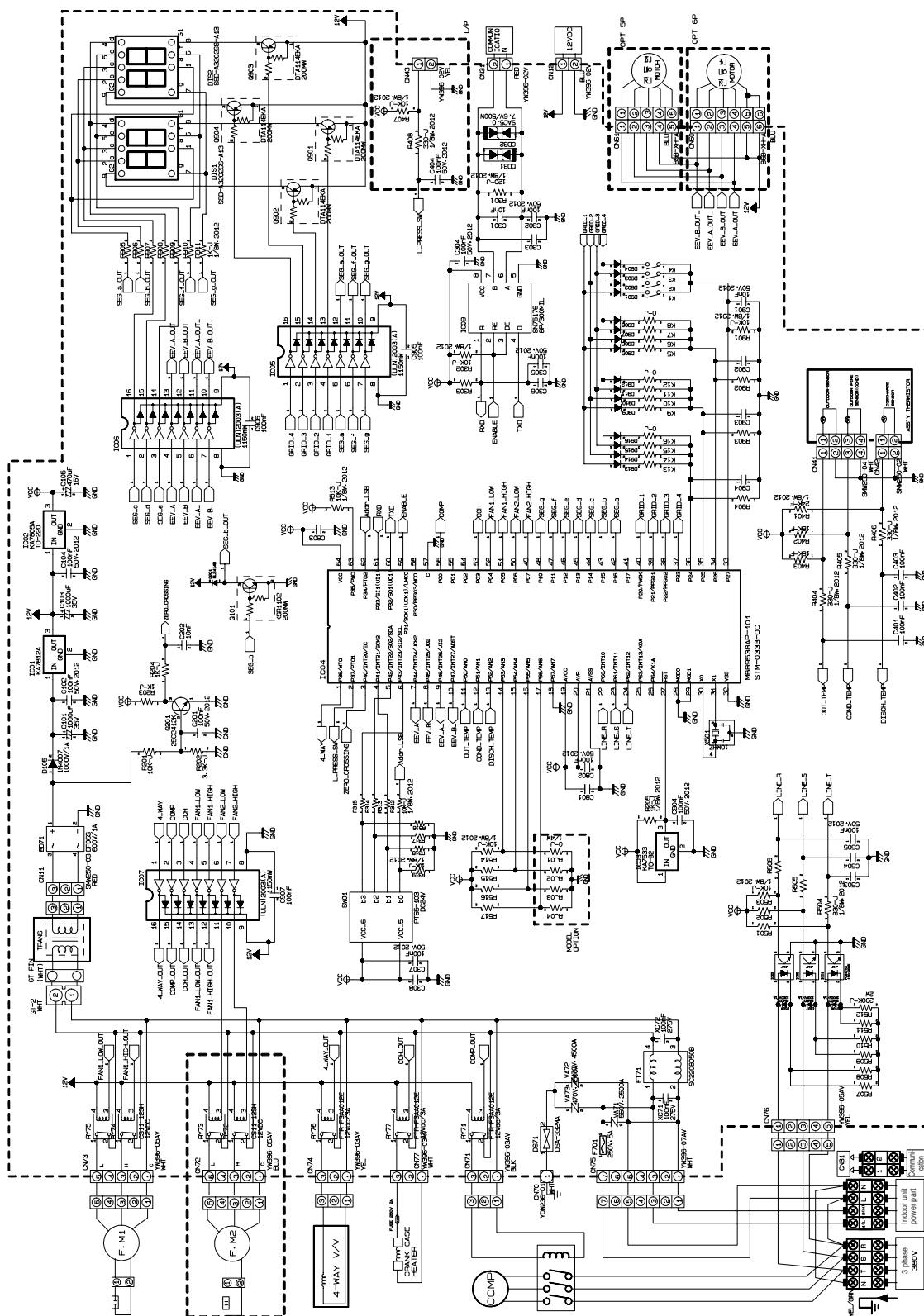


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■ UH052EZMC / UH070EZMC



UH105GZMC/UH128GZMC/UH140GZMC



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